GeneTex is a multinational antibody manufacturing company dedicated to creating reagents for biomedical research, assay development, and in vitro diagnostics. The company operates state-of-the-art facilities to provide products generated through refined development and quality assurance programs, international collaboration with leading researchers, and scrupulous scientific rigor. GeneTex’s antibodies and reagents are manufactured to standards outlined in Quality Management Systems (QMS) ISO 9001:2015 and ISO 13485:2016 and are supported by comprehensive validation and customer service.

To enhance its already extensive catalog of conventional polyclonal and monoclonal antibodies, GeneTex is now focusing its production on the creation of highly validated recombinant rabbit monoclonal antibodies with consistent specificity and performance. Though these recombinant antibodies will be directed against targets relevant to all fields of research, GeneTex has particular interest in developing outstanding reagents to support neuroscience research. The purpose of this brochure is to introduce you to many of our best neuroscience research products.

**New Recombinant Antibodies for Neuroscience Research**

- **Neuron Marker**
  - beta Tubulin 3/ Tuj1 antibody [HL1709] (GTX637308)
- **Glia Marker**
  - GFAP antibody [HL1308] (GTX636726)
- **Dendrite Marker**
  - MAP2 antibody [HL1655] (GTX637253)
- **Oligodendrocyte Marker**
  - Myelin basic protein antibody [HL1033] (GTX635873)
# New Recombinant Antibodies for Neuroscience Research

## AChE antibody [HL1102] (GTX636298)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## GAD65 + GAD67 antibody [HL1181] (GTX636487)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P, IHC-Fr

## iNOS antibody [HL1213] (GTX636531)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## Synaptotagmin 1 antibody [HL1654] (GTX637252)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## alpha Synuclein antibody [HL1242] (GTX636641)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## Iba1 antibody [HL22] (GTX635363)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## OLIG2 antibody [HL1072] (GTX636104)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

## VGAT antibody [HL1616] (GTX637107)
- Clonality: Recombinant
- Reactivity: Rec Rb mAb Hu, Ms, Rat
- Applications: WB, IHC-P

---

**Cat. No.** | **Product Name**  | **Clonality** | **Reactivity** | **Applications**
---|---|---|---|---
GTX636298 | AChE antibody [HL1102] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636641 | alpha Synuclein antibody [HL1242] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637308 | beta Tubulin 3/Tuj1 antibody [HL1709] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Dm | WB, IHC-P
GTX635397 | C9orf72 antibody [GT779-RB] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Cat | WB, IHC-P
GTX638587 | Calbindin antibody [HL2379] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636283 | CLOCK antibody [HL1099] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Dm | WB, IHC-P
GTX636467 | Dopamine beta Hydroxylase antibody [HL1163] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636952 | Dopamine Receptor D2 antibody [HL1478] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Zfsh, Cat, Dog | WB, IHC-P
GTX636487 | GAD65 + GAD67 antibody [HL1181] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Cat | WB, IHC-P
GTX636493 | GAD65 antibody [HL1187] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Cat | WB, IHC-P
GTX636280 | GAD67 antibody [HL1096] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Cat, Dog | WB, IHC-P
GTX636725 | GFAP antibody [HL1307] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636726 | GFAP antibody [HL1308] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX635363 | Iba1 antibody [HL22] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX638147 | Iba1 antibody [HL1880-M5] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636887 | IL1 beta antibody [HL1421] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636531 | iNOS antibody [HL1213] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637015 | IP3 Receptor 1 antibody [HL1541] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637254 | MAP2 antibody [HL1656] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX635873 | Myelin basic protein antibody [HL1033] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636671 | NFIX antibody [HL1269] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636210 | OLIG2 antibody [HL1072] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX635463 | PAX3 antibody [HL160] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636799 | PDE6D antibody [HL1559] | Recombinant | Rec Rb mAb Hu, Ms, Rat, Zfsh, Cat, Dog | WB, IHC-P
GTX636993 | Rpe65 antibody [HL1359] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637255 | SNAP91 antibody [HL1657] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636297 | Somatostatin antibody [HL1101] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637252 | Synaptotagmin 1 antibody [HL1654] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX636678 | Tau (phospho Thr217) antibody [HL1276] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637412 | Tyrosine Hydroxylase antibody [HL1762] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P
GTX637107 | VGAT antibody [HL1616] | Recombinant | Rec Rb mAb Hu, Ms, Rat | WB, IHC-P

---

Visit our website: www.genetex.com
### Neural Markers

#### Neural Progenitor Cells
- PAX3 antibody [HL160] (GTX635463)
- NeuN antibody (GTX132974)
- Somatostatin antibody [HL1101] (GTX636297)
- Glutamine synthetase antibody [GT1055] (GTX630654)

#### Mature Neuron
- Nestin antibody [GT123]
- NeuN antibody [HL2194]
- Tau antibody

#### Interneuron
- NeuN antibody [HL2194]
- INF-L antibody [GT883]
- Synaptophysin antibody [GT925]

#### Astrocyte
- GFAP antibody [HL1308]
- VAMP2 antibody [GTX634812]
- Homer1 antibody

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Product Name</th>
<th>Clonality</th>
<th>Reactivity</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTX630201</td>
<td>Nestin antibody [GT123]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX635463</td>
<td>PAX3 antibody [HL160]</td>
<td>Rec Rb mAb</td>
<td>Hu, Ms</td>
<td>WB, IHC-P</td>
</tr>
<tr>
<td>GTX627404</td>
<td>SOX2 antibody [GT1876]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat, Zfsh</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX638198</td>
<td>NeuN antibody [HL2194]</td>
<td>Rec Rb mAb</td>
<td>Ms, Rat</td>
<td>ICC/F, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX635363</td>
<td>Iba1 antibody [HL22]</td>
<td>Rec Rb mAb</td>
<td>Ms, Rat</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX635377</td>
<td>ING5 antibody [HL2113]</td>
<td>Rec Rb mAb</td>
<td>Ms, Rat</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX630654</td>
<td>Glutamine synthetase antibody [GT1055]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr</td>
</tr>
</tbody>
</table>

### Neurites & Synapses

#### Presynaptic Marker
- Synaptophysin antibody [GT2589] (GTX633972)
- VAMP2 antibody [GTX6311] (GTX634812)
- PSD95 antibody [GT1234] (GTX634291)

#### Postsynaptic Marker
- Homer1 antibody (GTX103278)
- Synaptophysin antibody [GT925]
- PSD95 antibody [GT1234] (GTX634291)

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Product Name</th>
<th>Clonality</th>
<th>Reactivity</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTX130053</td>
<td>alpha Internexin antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IP</td>
</tr>
<tr>
<td>GTX634864</td>
<td>NF-H antibody [GT114]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX101342</td>
<td>NF-L antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr, ELISA, Sandwich ELISA</td>
</tr>
<tr>
<td>GTX634483</td>
<td>NF-A antibody [GT883]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr, IHC</td>
</tr>
<tr>
<td>GTX130462</td>
<td>Tau antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr, IHC</td>
</tr>
<tr>
<td>GTX634747</td>
<td>MAP2 antibody [GT925]</td>
<td>Ms mAb</td>
<td>Ms, Rat</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX100865</td>
<td>Synaptophysin antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr, IHC-Wm</td>
</tr>
<tr>
<td>GTX635372</td>
<td>Synaptophysin antibody [GT2589]</td>
<td>Ms mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX637252</td>
<td>Synaptotagmin 1 antibody [HL1654]</td>
<td>Rec Rb mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB</td>
</tr>
<tr>
<td>GTX634812</td>
<td>VAMP2 antibody [GT925]</td>
<td>Ms mAb</td>
<td>Ms, Rat</td>
<td>WB, ICC/F, IHC-P</td>
</tr>
<tr>
<td>GTX130278</td>
<td>Homer1 antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/F, IHC-P, IHC-Fr, IP</td>
</tr>
<tr>
<td>GTX634291</td>
<td>PSD95 antibody [GT1234]</td>
<td>Ms mAb</td>
<td>Ms, Rat</td>
<td>WB, ICC/F</td>
</tr>
</tbody>
</table>

www.genetex.com
Neurodegenerative Disorders

**Alzheimer’s Disease**
- beta Amyloid (1-42) antibody – Conformation Specific [GT622] (GTX635160)

**Parkinson’s Disease**
- alpha Synuclein antibody [HL1243] (GTX636642)

**Amyotrophic Lateral Sclerosis (ALS)**
- C9orf72 antibody [GT779] (GTX632041)

**Huntington’s Disease**
- Huntingtin antibody (GTX132433)

---

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Product Name</th>
<th>Clonality</th>
<th>Reactivity</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTX635160</td>
<td>beta Amyloid (1-42) antibody – Conformation Specific antibody [GT622]</td>
<td>Ms mAb, Hu mAb</td>
<td>IHC-P, Dot, EUSA, Sandwich ELISA</td>
<td></td>
</tr>
<tr>
<td>GTX634809</td>
<td>Tau antibody [GT287]</td>
<td>Ms mAb, Hu mAb, Rat</td>
<td>WB, ICC/IF</td>
<td></td>
</tr>
<tr>
<td>GTX635891</td>
<td>Apolipoprotein E antibody [GT1627]</td>
<td>Ms mAb, Hu mAb, Rat</td>
<td>WB, IP, ELISA, Sandwich ELISA</td>
<td></td>
</tr>
<tr>
<td>GTX636442</td>
<td>alpha Synuclein antibody [HL1243]</td>
<td>Rec Rb mAb, Hu mAb, Ms, Rat</td>
<td>WB, IHC/P, IHC-Fr</td>
<td></td>
</tr>
<tr>
<td>GTX610837</td>
<td>PGP9.5 antibody</td>
<td>Rb pAb, Hu mAb, Ms, Rat</td>
<td>WB, IHC/P, IHC-P, IHC-Fr</td>
<td></td>
</tr>
<tr>
<td>GTX637412</td>
<td>Tyrosine Hydroxylase antibody [HL1762]</td>
<td>Rec Rb mAb, Hu mAb, Ms, Rat</td>
<td>WB, IHC-P</td>
<td></td>
</tr>
<tr>
<td>GTX632041</td>
<td>C9orf72 antibody [GT779]</td>
<td>Ms mAb, Hu mAb, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IP</td>
<td></td>
</tr>
<tr>
<td>GTX130828</td>
<td>Nek1 antibody</td>
<td>Rb pAb, Hu mAb, Ms</td>
<td>WB, IHC/P, IP</td>
<td></td>
</tr>
<tr>
<td>GTX630397</td>
<td>TDP43 antibody [GT733]</td>
<td>Ms mAb, Hu mAb, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IP</td>
<td></td>
</tr>
</tbody>
</table>

---

Vision & Retina

**Choline Acetyltransferase antibody [NIN3] (GTX13164)**

**GAD67 antibody [HL1096] (GTX636280)**

**PAX6 antibody [GT9412] (GTX634863)**

**VGAT antibody [HL1615] (GTX637106)**

---

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Product Name</th>
<th>Clonality</th>
<th>Reactivity</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTX103261</td>
<td>Calretinin antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX637915</td>
<td>Choline Acetyltransferase antibody [HL2014]</td>
<td>Rec Rb mAb, Hu mAb, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P</td>
<td></td>
</tr>
<tr>
<td>GTX113364</td>
<td>Choline Acetyltransferase antibody [NIN3]</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, IHC/P, IHC-Fr</td>
</tr>
<tr>
<td>GTX112846</td>
<td>CREB antibody</td>
<td>Rec Rb mAb, Hu, Ms, Rat, Cat, Dog</td>
<td>WB, IHC-P</td>
<td></td>
</tr>
<tr>
<td>GTX635290</td>
<td>GAD67 antibody [HL1096]</td>
<td>Rb pAb</td>
<td>Hu, Ms</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr, IP, IHC</td>
</tr>
<tr>
<td>GTX100446</td>
<td>p27 Kip antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr, IP, IHC</td>
</tr>
<tr>
<td>GTX634863</td>
<td>PAX6 antibody [GT9412]</td>
<td>Ms mAb, Hu, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P</td>
<td></td>
</tr>
<tr>
<td>GTX130453</td>
<td>PKC alpha antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat, Zfsh</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX133091</td>
<td>PSD95 antibody</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX115443</td>
<td>SCG1 antibody [N2C3]</td>
<td>Rb pAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr</td>
</tr>
<tr>
<td>GTX133241</td>
<td>VAMP2 antibody</td>
<td>Rb pAb, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P, IHC-Fr</td>
<td></td>
</tr>
<tr>
<td>GTX137106</td>
<td>VGAT antibody [HL1615]</td>
<td>Rec Rb mAb</td>
<td>Hu, Ms, Rat</td>
<td>WB, ICC/IF, IHC-P</td>
</tr>
</tbody>
</table>