Huntingtin (neoepitope 552) antibody

Cat. No. GTX54521

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, ELISA, IHC
Reactivity	Human, Mouse

Package
100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500
ICC/IF	1:50-1:200
IHC-Fr	1:50 : 1:200
ELISA	1:20 - 1:100
IHC	Assay dependent

Not tested in other applications.

Calculated MW	348 kDa. (Note)
Product Note	This antibody recognizes the 552 cleaved fragment without detecting the full-length form.

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.4 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide conjugated to KLH via cysteine corresponding to residues SDPAMDLND (544-552) of Human HTT.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

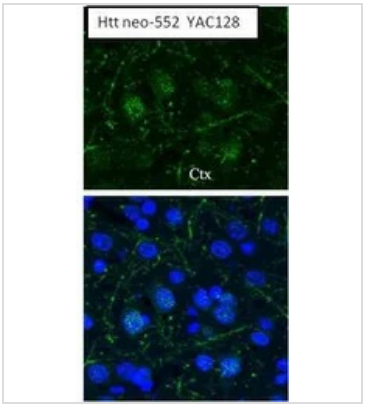
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

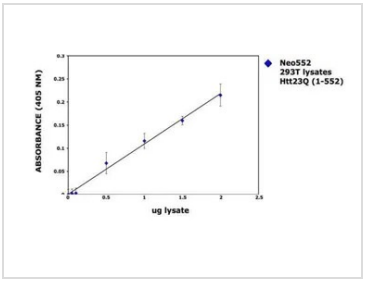
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



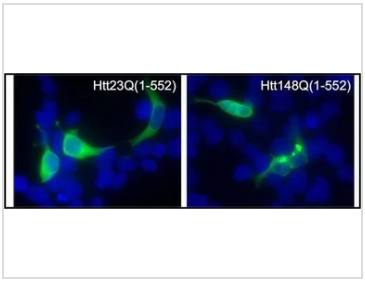
GTX54521 IHC-Fr Image

IHC-Fr analysis of mouse cortex tissue (from transgenic HD mice of the YAC128 line) using GTX54521 Huntingtin (neoepitope 552) antibody.
Green : Primary antibody
Blue : DAPI
Dilution : 1:50



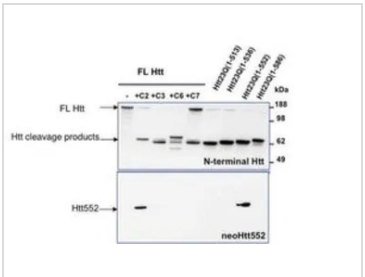
GTX54521 ELISA Image

Sandwich ELISA was performed with a monoclonal anti- Humtingtin antibody and GTX54521 Huntingtin (neoepitope 552) antibody to determine the antigen concentration of the Htt cleavage products. The curve represents a dose response for neo552 in 293T cells overexpressing the Htt construct.



GTX54521 ICC/IF Image

ICC/IF analysis of 293T cells transfected with an Htt23Q (left panel) and Htt148Q (right panel) stop constructs ending in amino acid 552 using GTX54521 Huntingtin (neoepitope 552) antibody.
Fixation : Formalin
Permeabilization : 0.1% Triton X-100 in TBS for 10 minutes
Dilution : 1:50 for at least 1 hour at room temperature



GTX54521 WB Image

WB analysis of endogenous HTT lysates with or without different caspase activity (Lanes 1-5) and overexpressed recombinant HTT fragment lysates (Lanes 6-9) using a N-terminal pan-HTT antibody (upper panel) or GTX54521 Huntingtin (neoepitope 552) antibody at 1:500 (lower panel).
Loading : 20 µg

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com