

# **BDNF** antibody

## Cat. No. GTX132621

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



## Applications

## **Application Note**

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

| WB 1:500-1:3000   ICC/IF 1:100-1:1000   IHC-P 1:100-1:1000   IHC-Fr Assay dependent | Suggested dilution | Recommended dilution |
|---|--------------------|----------------------|
| IHC-P 1:100-1:1000  | WB                 | 1:500-1:3000         |
|   | ICC/IF             | 1:100-1:1000         |
| IHC-Fr Assay dependent  | IHC-P              | 1:100-1:1000         |
|   | IHC-Fr             | Assay dependent      |

Not tested in other applications.

Calculated MW 28 kDa. (Note)

| Properties    |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS, 20% Glycerol  |
| Preservative  | 0.025% ProClin 300   |
| Storage       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1.96 mg/ml (Please refer to the vial label for the specific concentration.)  |
| Immunogen     | Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human BDNF. The exact sequence is proprietary.  |
| Purification  | Purified by antigen-affinity chromatography.   |
| Conjugation   | Unconjugated   |



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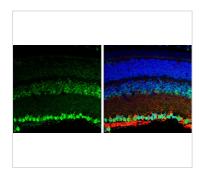


For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### Note

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



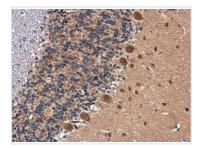
#### GTX132621 IHC-P Image

BDNF antibody detects BDNF protein expression by immunohistochemical analysis. Sample:Paraffin-Embedded adult mouse retina.

Green: BDNF protein stained by BDNF antibody (GTX132621) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).

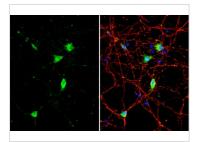


#### GTX132621 IHC-P Image

BDNF antibody detects BDNF protein at cytoplasm in rat brain by immunohistochemical analysis. Sample: Paraffin-embedded rat brain.

BDNF antibody (GTX132621) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



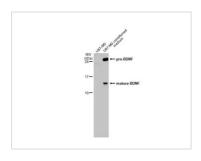
#### GTX132621 ICC/IF Image

BDNF antibody detects BDNF protein by immunofluorescent analysis.

Sample: DIV10 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: BDNF stained by BDNF antibody (GTX132621) diluted at 1:500.

Red: Tau, stained by Tau antibody [GT287] (GTX634809) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



### GTX132621 WB Image

U87-MG whole cell extract and conditioned medium (30  $\mu$ g) were separated by 15% SDS-PAGE, and the membrane was blotted with BDNF antibody (GTX132621) diluted at 1:125. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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