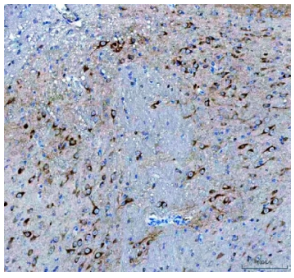
BDNF Antibody (R31503)

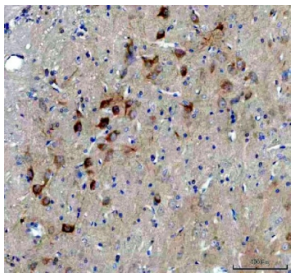
Catalog No.	Formulation	Size
R31503	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

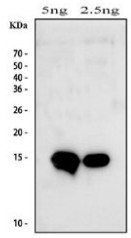
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P23560
Localization	Cytoplasmic, secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This BDNF antibody is available for research use only.



IHC-P staining of mouse brain tissue with BDNF antibody. HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to staining.



IHC-P staining of rat brain tissue with BDNF antibody. HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to staining.



Western blot testing of a recombinant human BDNF protein fragment with BDNF antibody.

Description

Brain-derived neurotrophic factor is a secreted protein that, in humans, is encoded by the BDNF gene. It is a member of the neurotrophin family of growth factors, which are related to the canonical nerve growth factor. BDNF is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. It is expressed within peripheral ganglia and is not restricted to neuronal target fields. It has been purified and shown to reduce the amount of naturally occurring neuronal cell death in portions of the peripheral nervous system.

Application Notes

The stated application concentrations are suggested starting points. Titration of the BDNF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 129-247) was used as the immunogen for this BDNF antibody.

Storage

After reconstitution, the BDNF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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