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Datasheet for ABIN499611
anti-CDNF antibody (N-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	CDNF
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDNF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	CDNF antibody was raised against a 12 amino acid peptide from near the amino terminus of human CDNF.
Isotype:	IgG
Specificity:	This antibody reacts to CDNF.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CDNF
Alternative Name:	CDNF (CDNF Products)

Target Details

Background: The conserved dopamine neurotrophic factor (CDNF) is a neurotrophic factor for dopaminergic neurons and highly homologous to the mesencephalic-astrocyte-derived neuro-trophic factor. Somewhat surprisingly, CDCF is expressed at higher levels in tissues such as heart, skeletal muscle and testes than in brain. Similar to the glial cell line-derived neurotrophic factor (GDNF), CDNF can prevent the 6-hydroxylamine (6-OHDA)-induced degeneration of dopaminergic neurons in a rat model of Parkinson's disease. Furthermore, CDNF was able to restore the dopaminergic function and prevent the degeneration of dopaminergic neurons in the substantia nigra, suggesting that CDNF might be suitable for the treatment of Parkinson's disease. At least two isoforms of CDNF are known to exist. This antibody does not cross-react with MANF. Synonyms: ARMET-like protein 1, ARMETL1, Cerebral dopamine neurotrophic factor, Conserved dopamine neurotrophic factor

Gene ID: 441549

UniProt: [Q49AH0](#)

Application Details

Application Notes: ELISA. Western Blot: CDNF antibody can be used for detection of CDNF at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

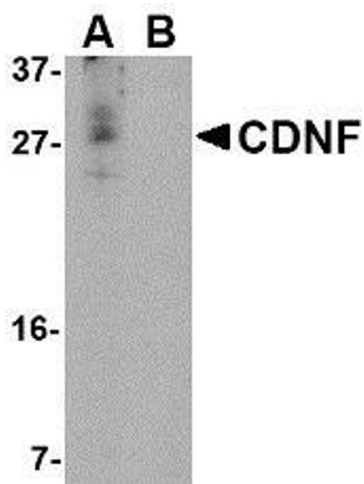
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

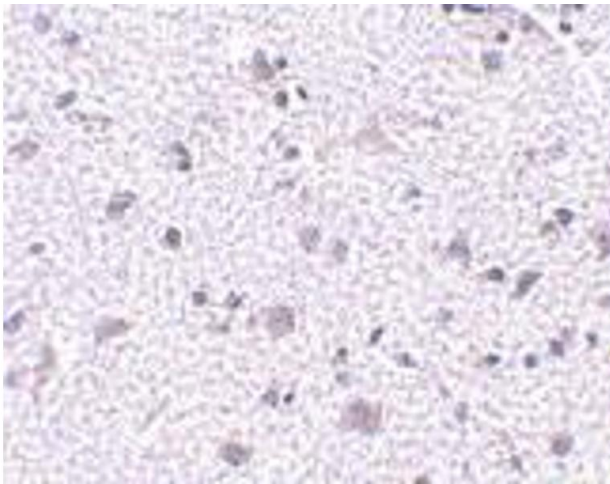
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of CDNF in A-20 cell lysate in (A) the absence and (B) the presence of blocking peptide with AP30222PU-N CDNF antibody at 1 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of CDNF in human brain tissue with CDNF antibody at 5 µg/ml.