

## CDNF Antibody

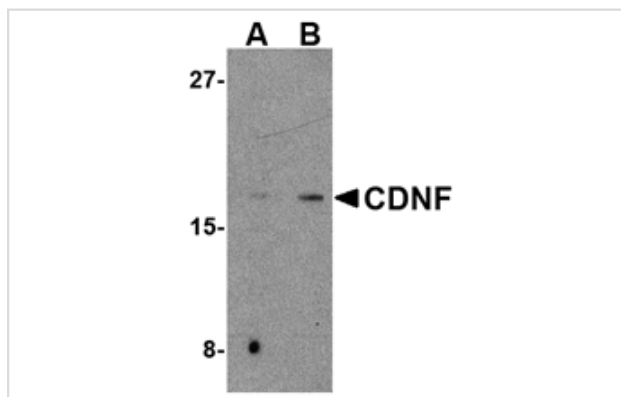
Catalog No: #24582

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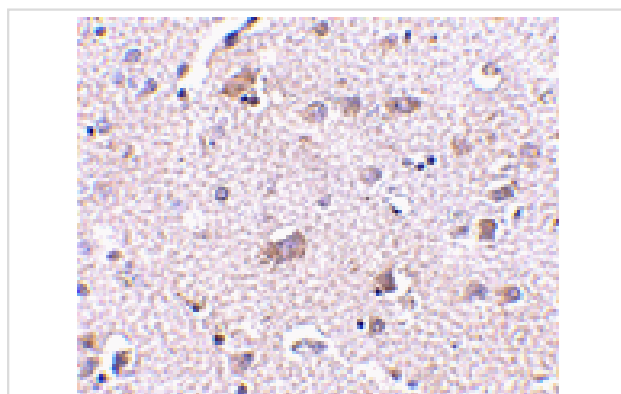
## Description

Product Name	CDNF Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This antibody does not cross-react with MANF.
Immunogen Type	Peptide
Immunogen Description	Raised against a 9 amino acid peptide from near the carboxy terminus of human CDNF.
Target Name	CDNF
Other Names	Conserved dopamine neurotrophic factor, arginine-rich, mutated in early stage tumors-like 1, ARMET-like 1, ARMETL1
Accession No.	Q49AH0
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of CDNF in mouse brain tissue lysate with CDNF antibody at (A) 2 and (B) 4 ug/mL.



Immunohistochemistry of CDNF in human brain tissue with CDNF antibody at 2.5 ug/mL.

## Background

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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), CDFN can prevent the 6-hydroxyamine (6-OHDA)-induced degeneration of dopaminergic neurons in a rat model of Parkinson's disease. Furthermore, CDFN was able to restore the dopaminergic function and prevent the degeneration of dopaminergic neurons in the substantia nigra, suggesting that CDFN might be suitable for the treatment of Parkinson's disease. At least two isoforms of CDFN are known to exist.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.