

Anti-CDNF Antibody

Catalog Number: A10069-1

About CDNF

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.

Overview

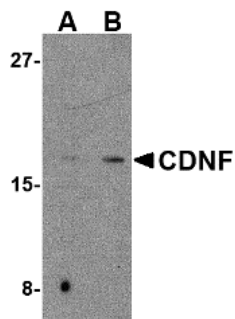
Product Name	Anti-CDNF Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDNF Antibody (Catalog # A10069-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	CDNF Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CDNF antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q49AH0

Technical Details

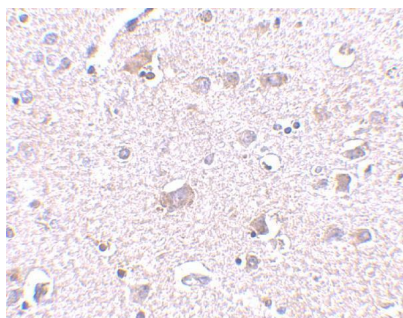
Immunogen	CDNF antibody was raised against a 9 amino acid synthetic peptide from near the carboxy terminus of human CDNF. The immunogen is located within the last 50 amino acids of CDNF.
Predicted Reactive Species	Bovine
Cross Reactivity	This antibody does not cross-react with MANF.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	CDNF Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	CDNF antibody can be used for detection of CDNF by Western blot at 2 - 4 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

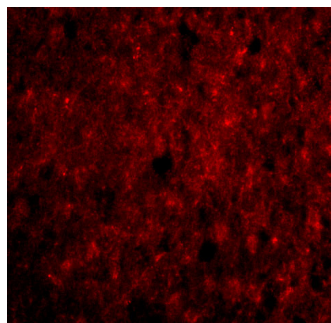
Anti-CDNF Antibody (A10069-1) Images



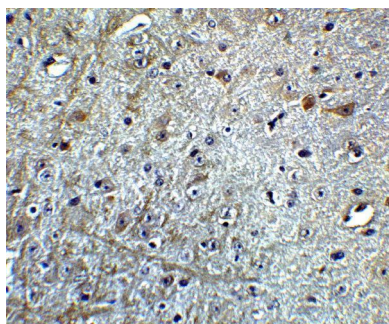
Western blot analysis of CDNF in mouse brain tissue lysate with CDNF antibody at (A) 2 and (B) 4 ug/mL.



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

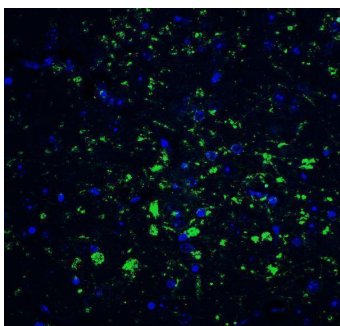


Immunofluorescence of CDNF in Human Brain cells with CDNF antibody at 20 ug/mL.



Immunohistochemistry of CDNF in mouse brain tissue with CDNF Antibody at 5 ug/mL.

Immunofluorescence of CDNF in mouse brain tissue with CDNF Antibody at 20 ug/mL. Green: CDNF Antibody (A10069-1) Blue: DAPI staining



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Anti-CDNF Antibody

For Research Use Only. Not for use in diagnostic procedures.