

MANF Antibody

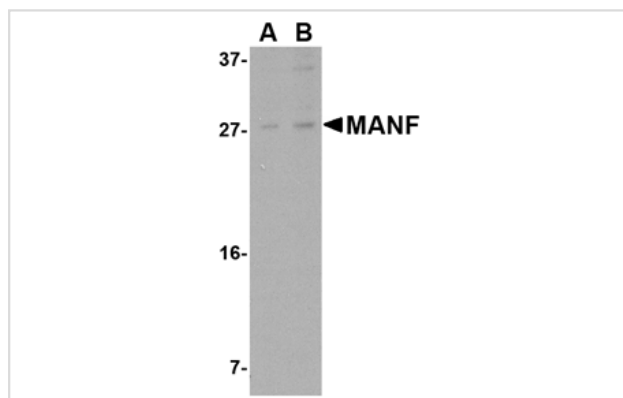
Catalog No: #24585

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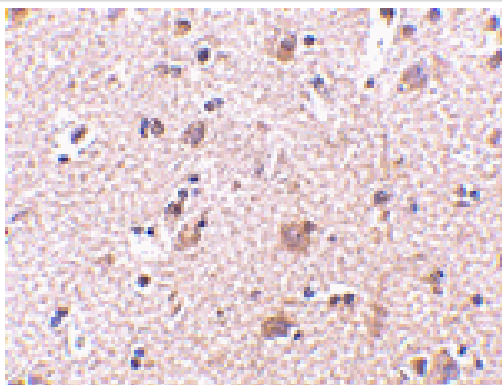
Description

Product Name	MANF Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This antibody does not cross-react with CDFN.
Immunogen Type	Peptide
Immunogen Description	Raised against a 12 amino acid peptide from near the amino terminus of human MANF.
Target Name	MANF
Other Names	Mesencephalic astrocyte-derived neurotrophic factor, arginine-rich mutated in early stage tumor, ARMET, ARP
Accession No.	P55145
Uniprot	P55145
GeneID	7873;
Concentration	1mg/ml
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 MANF in rat brain tissue lysate with MANF antibody at (A) 1 and (B) 2 ug/mL.



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

Background

MANF, also known as ARMET, was initially identified as a protein containing an arginine-rich region that was highly mutated in a variety of tumors. More recently it was identified as a mesencephalic astrocyte-derived neurotrophic factor with selectivity for dopaminergic neurons, similar to glial cell line-derived neurotrophic factor (GDNF) and CDNF. In rat brain slices, MANF enhanced nigral gamma-aminobutyric acid release. Like GDNF and CDNF, MANF has selective neuroprotective activity for dopaminergic neurons suggesting that it may be indicated for the treatment of Parkinson's disease. Expression of MANF has also been shown to be induced during ER stress, suggesting that it may play a role in protein quality control during ER stress.

Note: This product is for in vitro research use only