

Rabbit anti-Human ARMET/MANF Polyclonal Antibody | anti-MANF antibody

Anti-ARMET/MANF Antibody, Rabbit Polyclonal

CATALOG # AAA255402	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

ARMET/MANF; Polyclonal Antibody; Anti-ARMET/MANF Antibody; Rabbit Polyclonal; MANF Antibody; Rabbit PAb; Antigen Affinity Purified; mesencephalic astrocyte-derived neurotrophic factor; Anti-ARMET Antibody; Anti-ARP Antibody; anti-MANF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MANF
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MANF antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant Human MANF Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human MANF (rh MANF). MANF specific IgG was purified by Human MANF affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

MANF was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate 4uL anti-MANF rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MANF rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa. Observed band size: 17 kDa.



WB (Western Blot)

Anti-MANF rabbit polyclonal antibody at 1:500 dilution. Lane A: 293 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa. Observed band size: 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MANF antibody	Mesencephalic astrocyte-derived neurotrophic factor, also known as Protein ARMET, Arginine-rich protein, MANF, and ARMET, is a secreted protein that belongs to the ARMET family. ARMET selectively promotes the survival of dopaminergic neurons of the ventral midbrain. It modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra. ARMET enhances spontaneous, as well as evoked, GABAergic inhibitory postsynaptic currents in dopaminergic neurons. ARMET inhibits cell proliferation and endoplasmic reticulum (ER) stress-induced cell death. The N-terminal region of ARMET may be responsible for neurotrophic activity while the C-terminal region may play a role in the ER stress response. MANF reduces endoplasmic reticulum (ER) stress and has neurotrophic effects on dopaminergic neurons. Intracortical delivery of recombinant MANF protein protects tissue from ischemic brain injury. MANF has been described as a survival factor for dopaminergic neurons. MANF expression was widespread in the nervous system and non-neuronal tissues. In the brain, relatively high MANF levels were detected in the cerebral cortex, hippocampus, and cerebellar Purkinje cells. The widespread expression of MANF together with its evolutionary conserved nature and regulation by brain insults suggests that it has important functions both under normal and pathological conditions in many tissue types.
References	Shridhar V., et al., 1996, Oncogene 12:1931-1939. Gevaert K., et al., 2003, Nat. Biotechnol. 21:566-569. Petrova P., et al., 2003, J. Mol. Neurosci. 20:173-188. Lindholm, P. et al., 2008, Mol Cell Neurosci. 39 (3):356-71. Airavaara, M. et al., 2010, Exp Neurol. 225 (1):104-13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	299523086
NCBI GeneID	7873
NCBI Accession #	NP_006001.3
NCBI GenBank Nucleotide #	NM_006010.4
UniProt Accession #	P55145; Q14CX4; Q86U67; Q96IS4
Molecular Weight	20,700 Da
NCBI Official Full Name	mesencephalic astrocyte-derived neurotrophic factor
NCBI Official Synonym Full Names	mesencephalic astrocyte-derived neurotrophic factor
NCBI Official Symbol	MANF
NCBI Official Synonym Symbols	ARP; ARMET
NCBI Protein Information	mesencephalic astrocyte-derived neurotrophic factor; arginine-rich, mutated in early stage tumors
UniProt Protein Name	Mesencephalic astrocyte-derived neurotrophic factor
UniProt Gene Name	MANF
UniProt Synonym Gene Names	ARMET; ARP
UniProt Entry Name	MANF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.