

Product datasheet for **TA306478**

ARMET (MANF) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	WB: 0.125-2 µg/mL; IHC: 2.5 µg/mL; IF: 20 µg/mL Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human samples; Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MANF antibody was raised against a 12 amino acid peptide from near the carboxy terminus of human MANF.
Specificity:	This antibody does not cross-react with CDNF.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	MANF Antibody is Protein A purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mesencephalic astrocyte derived neurotrophic factor
Database Link:	NP_006001 Entrez Gene 74840 Mouse Entrez Gene 315989 Rat Entrez Gene 7873 Human P55145



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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 CDFN. In rat brain slices, MANF enhanced nigral gamma-aminobutyric acid release. Like GDNF and CDFN, 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. This antibody does not cross-react with CDFN.

Synonyms:

ARMET; ARP

Protein Families:

Druggable Genome, Secreted Protein