

## Rabbit MANF Polyclonal Antibody | anti-MANF antibody

MANF Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA305354 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

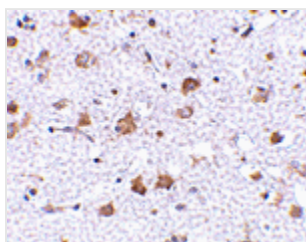
### PRODUCT SYNONYMS

MANF; Polyclonal Antibody; MANF Antibody; Mesencephalic astrocyte-derived neurotrophic factor; arginine-rich mutated in early stage tumor; ARMET; ARP; anti-MANF antibody

### PRODUCT SPECIFICATIONS

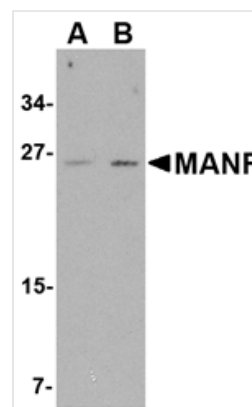
|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Specificity                                    | This antibody does not cross-react with CDFN.                                                                                                                                                          |
| Purity/Purification                            | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                    | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                | 185                                                                                                                                                                                                    |
| Applicable Applications for anti-MANF antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                 | Peptide                                                                                                                                                                                                |
| Immunogen Description                          | Raised against a 12 amino acid peptide from near the carboxy terminus of human MANF.                                                                                                                   |
| Target Name                                    | MANF                                                                                                                                                                                                   |
| Preparation and Storage                        | Can be stored at -20 degree 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



**IHC (Immunohistochemistry)**

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



**WB (Western Blot)**

Western blot analysis of MANF in mouse brain tissue lysate with MANF antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MANF antibody | 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. |
| Product Categories/Family for anti-MANF antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 618857509                                           |
| NCBI GeneID                      | 7873                                                |
| NCBI Accession #                 | NP_006001.4                                         |
| NCBI GenBank Nucleotide #        | NM_006010.5                                         |
| 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 |
| 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.

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