# MANF Antibody

Catalog No: #24585

SAB®
Signalway Antibody

## Description

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|---|---|
| Product Name | MANF Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | E WB IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | This antibody does not cross-react with CDNF. |
| 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 mutatedin early stage tumor, ARMET, ARP |
| Accession No. | P55145 |
| 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
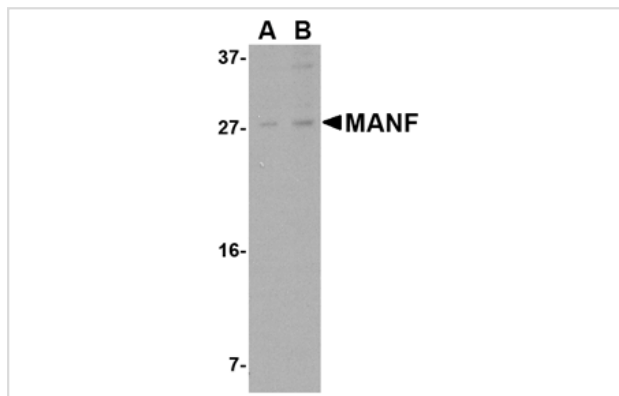


Western blot analysis of MANF in rat brain tissue lysate with MANF antibody at (A) 1 and (B) 2 ug/mL.
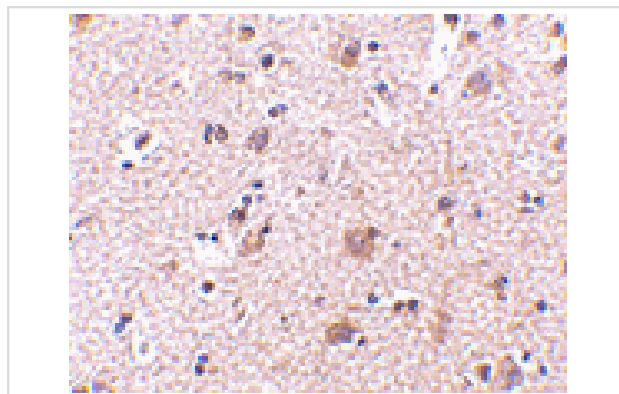


Immunohistochemistry of MANF in human brain tissue with MANF antibody at 2.5 ug/mL.

## 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 Parkinsonβ       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 and is not intended for use in humans or animals.