



[Go to Product page](#)

Datasheet for ABIN6990751
anti-MANF antibody (C-Term)

3 Images

Overview

Quantity:	0.1 mg
Target:	MANF
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MANF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	MANF antibody was raised against a 12 amino acid synthetic peptide from near the carboxy terminus of human MANF. The immunogen is located within the last 50 amino acids of MANF.
Isotype:	IgG
Specificity:	This antibody does not cross-react with CDNF. The specificity of this antibody was further verified by MANF specific knockout. MANF signal was not detected in MANF knockout HEK293T cells as compared to that in control wild type cells.
Purification:	MANF Antibody is affinity chromatography purified via peptide column.
Grade:	KO Validated

Target Details

Target:	MANF
Alternative Name:	MANF (MANF Products)
Background:	<p>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.</p>
Molecular Weight:	Predicted: 20kD Observed: 18 kD kDa
Gene ID:	7873
UniProt:	P55145

Application Details

Application Notes:	<p>WB: 0.125-2 µg/mL, IHC: 2.5 µg/mL, IF: 20 µg/mL</p> <p>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.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MANF Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

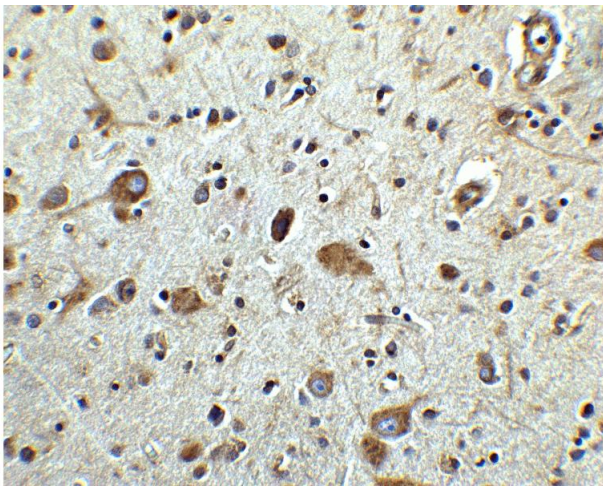
Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

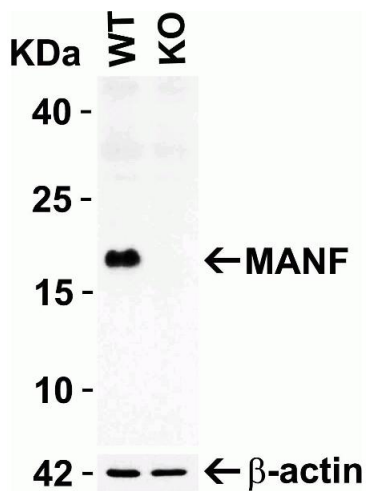
Storage Comment: MANF antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



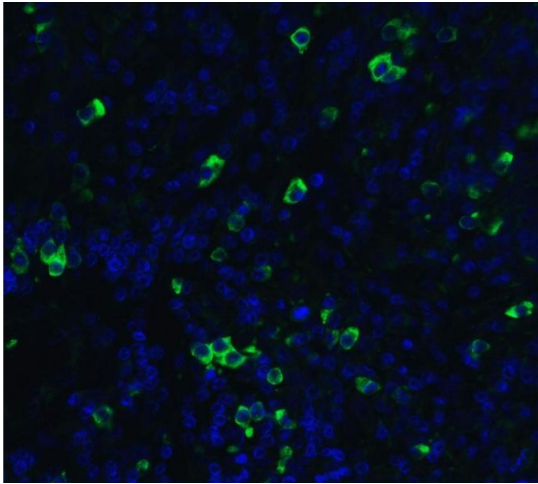
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-MANF antibody (ABIN6990751) at 2.5 ug /ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Western Blotting

Image 2. KO Validation in HEK293T Cells: Loading: 10 ug of HEK293T WT cell lysates or MANF KO cell lysates. Antibodies: MANF antibody (ABIN6990751) (1 ug/mL) and beta-actin (ABIN6992211) (1 ug/mL), 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunofluorescence

Image 3. Immunofluorescent analysis of 4% paraformaldehyde-fixed human cervix cells labeling MANF with ABIN6990751 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI antibody (blue).