

Product Datasheet

MANF Antibody (orb1239620)

Catalog Number	orb1239620
Category	Antibodies
Description	MANF Antibody
Target	MANF
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	MANF Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	MANF Antibody is affinity chromatography purified via peptide column.
Immunogen	Anti-MANF antibody (orb1239620) was raised against a peptide corresponding to 12 amino acids near the amino terminus of human MANF. The immunogen is located within the first 50 amino acids of MANF.
UniProt ID	P55145
MW	Predicted: 20kD Observed: 26 kD

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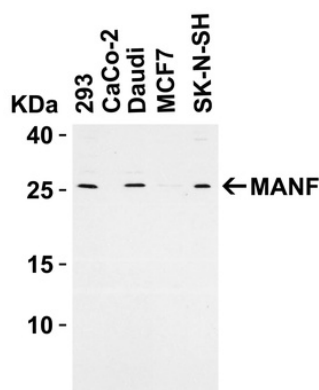
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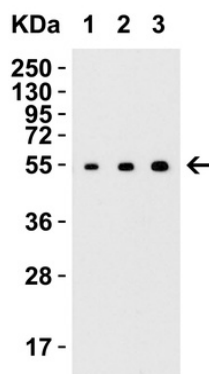
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Tested applications	ELISA, IF, IHC-P, WB
Specificity	This antibody does not cross-react with CDNF.
Antibody Type	Primary Antibody
Modifications	None
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	P55145
Expiration Date	12 months from date of receipt.



Western Blot Validation in Human Cell Lines. Loading: 15 µg of lysates per lane. Antibodies: MANF orb1239620, (2 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot Validation with Recombinant Protein. Loading: 30 ng of human MANF recombinant protein per lane. Antibodies: MANF orb1239620 (Lane 1: 0.125 µg/mL, Lane 2: 0.25 µg/mL and Lane 3: 0.5 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Observed at around 55kD.

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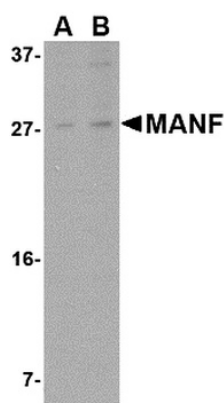
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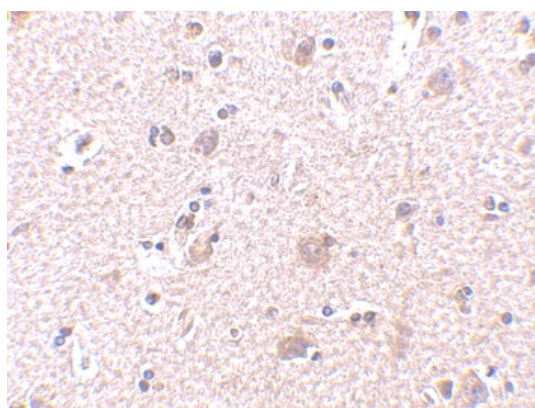
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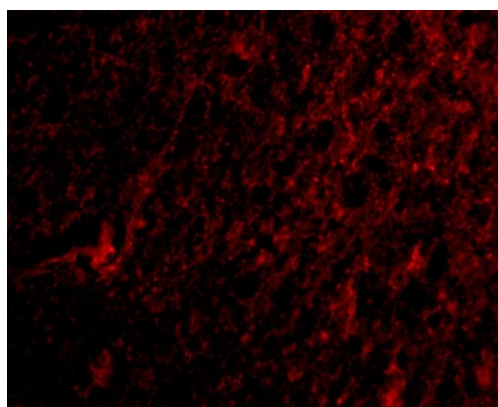
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Western Blot Validation in Rat Brain Tissue Lysate. Loading: 15 μ g of lysates per lane. Antibodies: MANF orb1239620 (A: 1 μ g/mL and B: 2 μ g/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry Validation of MANF in Human Brain Tissue. Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-MANF antibody (orb1239620) at 2.5 μ g/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.



Immunofluorescence Validation of MANF in Human Brain Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed human brain tissue labeling MANF with orb1239620 at 20 μ g/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).

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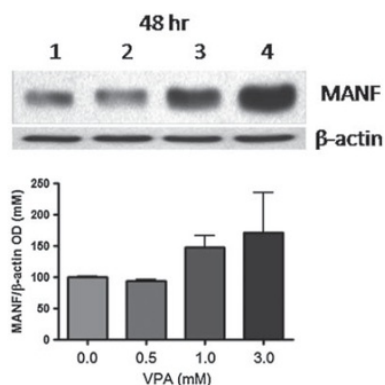
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Induced Expression Validation of MANF in Mouse C17.2 Neural Stem Cells (Almutawaa et al., 2014). Concentration- and time-dependent effects of Valproic acid (VPA) on MANF at 48 h examined by Western blot analysis with anti-MANF antibodies. MANF was markedly increased 48h after VPA treatment. Lanes 1-4: control, 0.5 mM VPA, 1 mM VPA, 3 mM VPA.

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