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anti-MANF antibody (C-Term)







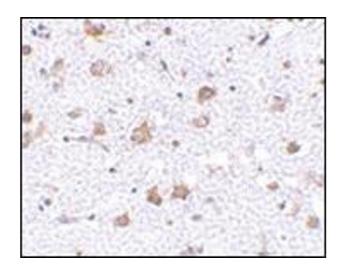


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Overview		
Quantity:	0.1 mg	
Target:	MANF	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MANF antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	MANF antibody was raised against a 12 amino acid peptide from near the carboxy terminus of human MANF.	
Isotype:	IgG	
Specificity:	This antibody detects ARMET / ARP at C-term. It does not cross-react with CDNF.	
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat	
Purification:	Peptide affinity chromatography	
Target Details		
Target:	MANF	

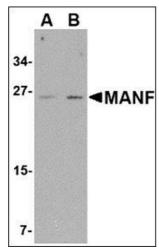
Target Details

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Alternative Name:	ARMET / ARP (MANF Products)	
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 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. Synonyms: Arginine-rich protein, MANF, Mesencephalic astrocyte-derived neurotrophic factor	
Gene ID:	7873	
UniProt:	P55145	
Application Details		
Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemitry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.	
Restrictions:	For Research Use only	
Handling		
Buffer:	PBS containing 0.02 % sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.	



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of MANF in human brain tissue with this product at $2.5\,\mu\text{g/ml}$.



Western Blotting

Image 2. Western blot analysis of MANF in mouse brain tissue lysate with this product at (A) 1 and (B) 2 µg/ml.