

Rabbit ARMET Polyclonal Antibody | anti-ARMET antibody

ARMET Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328779	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus	Western Blot

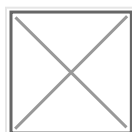
PRODUCT SYNONYMS

ARMET; Polyclonal Antibody; ARMET Antibody; Arginine rich mutated in early stage tumors; Arginine rich protein; Arginine-rich protein; ARMET protein; ARP; Manf; MANF_HUMAN; Mesencephalic astrocyte derived neurotrophic factor; Mesencephalic astrocyte-derived neurotrophic factor; MGC142148; MGC142150; Protein ARMET; anti-ARMET antibody

PRODUCT SPECIFICATIONS

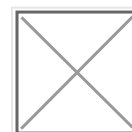
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	ARMET Antibody detects endogenous levels of ARMET.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	185
Applicable Applications for anti-ARMET antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARMET.
Tissue Specificity	By endoplasmic reticulum stress (PubMed:18561914, PubMed:22637475, PubMed:29497057). By hypoxia (PubMed:29497057).
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Endoplasmic Reticulum; Extracellular Region or Secreted
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Mouse pancreas tissue, using ARMET Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using ARMET Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ARMET antibody	Description: Selectively promotes the survival of dopaminergic neurons of the ventral mid-brain (PubMed:12794311). Modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra (By similarity). Enhances spontaneous, as well as evoked, GABAergic inhibitory postsynaptic currents in dopaminergic neurons (By similarity). Inhibits cell proliferation and endoplasmic reticulum (ER) stress-induced cell death (PubMed:18561914, PubMed:22637475, PubMed:29497057). Retained in the ER/sarcoplasmic reticulum (SR) through association with the endoplasmic reticulum chaperone protein HSPA5 under normal conditions (PubMed:22637475). Up-regulated and secreted by the ER/SR in response to ER stress and hypoxia (PubMed:22637475). Following secretion by the ER/SR, directly binds to 3-O-sulfogalactosylceramide, a lipid sulfatide in the outer cell membrane of target cells (PubMed:29497057). Sulfatide binding promotes its cellular uptake by endocytosis, and is required for its role in alleviating ER stress and cell toxicity under hypoxic and ER stress conditions (PubMed:29497057). Post Translational Modifications: May contain sialic acid residues. Subunit Structure: Interacts with HSPA5; the interaction is direct. Similarity: The N-terminal region may be responsible for neurotrophic activity while the C-terminal region may play a role in the ER stress response. The N-terminal region may be required for lipid sulfatide binding. Belongs to the ARMET family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	618857509
NCBI GeneID	7873
NCBI Accession #	NP_006001.4
NCBI GenBank Nucleotide #	NP_006001.4
UniProt Accession #	P55145
Molecular Weight	Observed: 15 kDa Predicted: 21 kDa
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.