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Anti-MANF / ARMET Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18621

Specification

Anti-MANF / ARMET Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	P55145
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**20700**

Anti-MANF / ARMET Antibody - Additional Information

Gene ID 7873

Alias Symbol	**MANF**

Other Names
MANF, ARP, ARMET, Arginine-rich protein, Protein ARMET

Target/Specificity
Human MANF / ARMET

Reconstitution & Storage
Affinity purified

Precautions
Anti-MANF / ARMET Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MANF / ARMET Antibody - Protein Information

Name MANF (HGNC:15461)

Synonyms ARMET, ARP

Function
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).

Cellular Location
Secreted. Endoplasmic reticulum lumen. Sarcoplasmic reticulum lumen. Note=Retained in the endoplasmic reticulum (ER), and sarcoplasmic reticulum (SR) under normal conditions (PubMed:22637475). Up-regulated and secreted by the ER/SR in response to ER stress and hypoxia (PubMed:22637475, PubMed:29497057)

Anti-MANF / ARMET Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MANF / ARMET Antibody - Images