

## ARG41058 anti-ARMET antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes ARMET   |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | ARMET   |
| Species             | Human   |
| Immunogen           | Recombinant fusion protein corresponding to aa. 25-182 of Human ARMET (NP_006001.4).                  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | ARP; Arginine-rich protein; Protein ARMET; ARMET; Mesencephalic astrocyte-derived neurotrophic factor |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Jurkat   |                |
| Observed Size     | 16 kDa   |                |

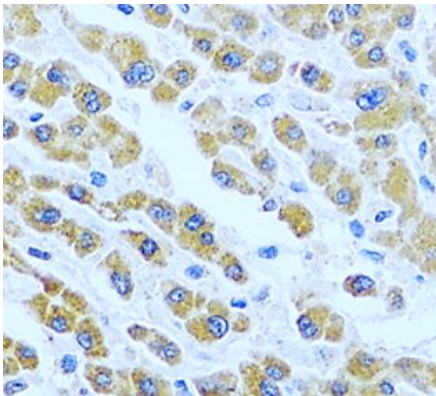
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

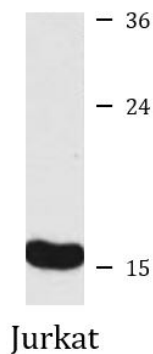
|                       |  |
|-----------------------|--|
| Gene Symbol           | MANF   |
| Gene Full Name        | mesencephalic astrocyte-derived neurotrophic factor  |
| Background            | The protein encoded by this gene is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this gene increases susceptibility to ER stress-induced death and results in cell proliferation. Activity of this protein is important in promoting the survival of dopaminergic neurons. The presence of polymorphisms in the N-terminal arginine-rich region, including a specific mutation that changes an ATG start codon to AGG, have been reported in a variety of solid tumors; however, these polymorphisms were later shown to exist in normal tissues and are thus no longer thought to be tumor-related. [provided by RefSeq, Apr 2014] |
| Function              | Selectively promotes the survival of dopaminergic neurons of the ventral mid-brain. Modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra. 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. [UniProt]   |
| Calculated Mw         | 21 kDa   |
| PTM                   | May contain sialic acid residues. [UniProt]  |
| Cellular Localization | 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). [UniProt]   |

## Images



ARG41058 anti-ARMET antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG41058 anti-ARMET antibody at 1:100 dilution.



ARG41058 anti-ARMET antibody WB image

Western blot: 25 µg of Jurkat cell lysate stained with ARG41058 anti-ARMET antibody at 1:1000 dilution.