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Datasheet for ABIN7268765
anti-MTMR6 antibody (AA 382-621)

1 Image

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | MTMR6 |
| Binding Specificity: | AA 382-621 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MTMR6 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|---|
| Purpose: | MTMR6 Rabbit pAb |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 382-621 of human MTMR6 (NP_004676.3). |
| Sequence: | RCGQLDGDPK EVSPVFTQFL ECVWHLTEQF PQAFFSEAF LLQIHEHIHS CQFGNFLGNC QKEREELKLK EKTYSLWPFL LEDQKKYLN LYSSESHRT VLEPNTVSFN FKFWRNMYHQ FDRTLHPRQS VFNIIMNMNE QNKQLEKDIK DLESKIKQRK NKQTDGILTK ELLHSVHPES PNLKTSLCFK EQTLLPVNDA LRTIEGSSPA DNRYSYAEAE FSKSEPAVVS LEYGVARMTC |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Product Details

Purification: Affinity purification

Target Details

Target: MTMR6

Alternative Name: MTMR6 ([MTMR6 Products](#))

Background: Phosphatase that acts on lipids with a phosphoinositol headgroup. Dephosphorylates phosphatidylinositol 3-phosphate (PtdIns(3P and phosphatidylinositol 3,5-bisphosphate (Probable. Binds with high affinity to phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5P2 but also to phosphatidylinositol 3-phosphate (PtdIns(3P, phosphatidylinositol 4-phosphate (PtdIns(4P, and phosphatidylinositol 5-phosphate (PtdIns(5P, phosphatidic acid and phosphatidylserine. Negatively regulates ER-Golgi protein transport (By similarity. Probably in association with MTMR9, plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3-phosphate in membrane ruffles. Acts as a negative regulator of KCNN4/KCa3.1 channel activity in CD4(+ T-cells possibly by decreasing intracellular levels of phosphatidylinositol 3-phosphate. Negatively regulates proliferation of reactivated CD4(+ T-cells. In complex with MTMR9, negatively regulates DNA damage-induced apoptosis. The formation of the MTMR6-MTMR9 complex stabilizes both MTMR6 and MTMR9 protein levels.,MTMR6,Signal Transduction,MTMR6

Molecular Weight: 63kDa/71kDa

Gene ID: 9107

UniProt: [Q9Y217](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: WB,1:200 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

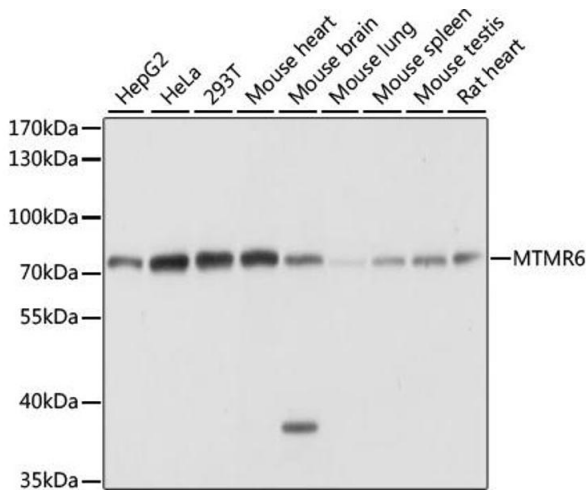
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MTMR6 antibody (ABIN7268765) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.