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MTMR3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56884

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13615
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133619

Additional Information

Gene ID	8897
Other Names	Myotubularin-related protein 3, 3.1.3.48, FYVE domain-containing dual specificity protein phosphatase 1, FYVE-DSP1, Phosphatidylinositol-3, 5-bisphosphate 3-phosphatase, 3.1.3.95, Phosphatidylinositol-3-phosphate phosphatase, 3.1.3.64, Zinc finger FYVE domain-containing protein 10, MTMR3 (HGNC:7451), KIAA0371, ZFYVE10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MTMR3 (HGNC:7451)
Function	Lipid phosphatase that specifically dephosphorylates the D-3 position of phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate, generating phosphatidylinositol and phosphatidylinositol 5-phosphate (PubMed:10733931, PubMed:11302699, PubMed:11676921, PubMed:12646134). Decreases the levels of phosphatidylinositol 3-phosphate, a phospholipid found in cell membranes where it acts as key regulator of both cell signaling and intracellular membrane traffic (PubMed:11302699, PubMed:11676921, PubMed:12646134). Could also have a molecular sequestering/adapter activity and regulate biological processes independently of its phosphatase activity. It includes the regulation of midbody abscission during mitotic cytokinesis (PubMed:25659891).
Cellular Location	Cytoplasm, cytosol. Membrane; Peripheral membrane protein

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