

KIAA1109 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56501

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q2LD37
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	555482

Additional Information

Gene ID	84162
Other Names	Transmembrane protein KIAA1109, Fragile site-associated protein, KIAA1109, FSA, KIAA1371
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	BLTP1 (HGNC:26953)
Function	Bridge-like lipid transfer protein that functions as molecular bridges between endoplasmic reticulum and the membranes targeted for lipid delivery (PubMed: 35491307 , PubMed: 40269155). Forms a tunnel with multiple beta-grooves that allows the transport of phospholipids (By similarity). Provides phosphatidylethanolamine for glycosylphosphatidylinositol (GPI) anchor synthesis in the endoplasmic reticulum (PubMed: 35015055). Plays a role in endosomal trafficking and endosome recycling (PubMed: 30906834). Also involved in the actin cytoskeleton and cilia structural dynamics (PubMed: 30906834). Acts as a regulator of phagocytosis (PubMed: 31540829). Required for the formation of endoplasmic reticulum-plasma membrane junctions which are critical for lipid exchange (PubMed: 40269155).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:A0A0K3AWP8}; Single-pass membrane protein {ECO:0000250 UniProtKB:A0A0K3AWP8}. Apical cell membrane {ECO:0000250 UniProtKB:A0A0K3AWP8}. Cell membrane {ECO:0000250 UniProtKB:Q12150}. Mitochondrion membrane

{ECO:0000250|UniProtKB:Q12150}. Note=Anchors to the endoplasmic reticulum membrane via a single transmembrane helix and bridges the gap to the apical cell membrane. It is unclear if there is a transmembrane region for the cell membrane. {ECO:0000250|UniProtKB:A0A0K3AWP8}

Tissue Location

Highly expressed in testis and ovary. Weakly or not expressed in other tissues.

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