

FAPP2 Rabbit pAb

Catalog # AP97679

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96JA3
Other Accession	Q96JA3
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58261
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAPP2
Epitope Specificity	51-150/519
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PH domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Involved in TGN-to-plasma membrane transport and in the formation of post-Golgi constitutive carriers. May play a role in ensuring the coordination of the budding and the fission reactions.

Additional Information

Gene ID	84725
Other Names	FAPP2; 6330400G01; Fapp-2; RGD1563940; PKHA8_HUMAN; PLEKHA8; PH domain-containing family A member 8; Phosphatidylinositol-four-phosphate adapter protein 2 (FAPP-2 Phosphoinositol 4-phosphate adapter protein 2 hFAPP2); Serologically defined breast cancer antigen NY-BR-86; PKHA8_MOUSE; Phosphatidylinositol-four-phosphate adapter protein 2 (FAPP-2 Phosphoinositol 4-phosphate adapter protein 2); PKHA8_RAT; pleckstrin homology domain containing A8; pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	PLEKHA8 (HGNC:30037)
Function	Mediates the non-vesicular transport of glucosylceramide (GlcCer) from the trans-Golgi network (TGN) to the plasma membrane, playing a pivotal role in the synthesis of complex glycosphingolipids; binding of both phosphatidylinositol 4-phosphate (PIP) and ARF1 are essential for this GlcCer transfer ability (PubMed: 15107860 , PubMed: 16103222 , PubMed: 17687330). Also functions as a cargo transport protein required for apical transport from the Golgi complex, including transport of AQP2 from the TGN to sites of AQP2 phosphorylation. Additionally required for primary cilium formation, possibly by being involved in the transport of raft lipids to the apical membrane, and for membrane tubulation (By similarity).
Cellular Location	Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side. Note=Binds through its PH domain to PtdIns(4)P and ARF1, and subsequently localizes to TGN exit sites
Tissue Location	Expressed in kidney cell lines.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.