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Anti-DIAPH2 Antibody

Catalog # AP51997

Product Information

Application	WB
Primary Accession	O60879
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125569

Additional Information

Gene ID	1730
Other Names	DIA; Protein diaphanous homolog 2; Diaphanous-related formin-2; DRF2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DIAPH2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

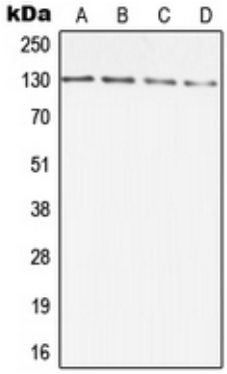
Protein Information

Name	DIAPH2
Synonyms	DIA
Function	Could be involved in oogenesis. Involved in the regulation of endosome dynamics. Implicated in a novel signal transduction pathway, in which isoform 3 and CSK are sequentially activated by RHOD to regulate the motility of early endosomes through interactions with the actin cytoskeleton.
Cellular Location	[Isoform 3]: Cytoplasm, cytosol. Early endosome. Note=Isoform 3 is cytosolic but when coexpressed with RHOD, the 2 proteins colocalize to early endosomes
Tissue Location	Expressed in testis, ovary, small intestine, prostate, lung, liver, kidney and leukocytes

References

Bione S.,et al.Am. J. Hum. Genet. 62:533-541(1998).
Gasman S.,et al.Nat. Cell Biol. 5:195-204(2003).
Gasman S.,et al.Nat. Cell Biol. 5:680-680(2003).
Ross M.T.,et al.Nature 434:325-337(2005).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

Images



Western blot analysis of DIAPH2 expression in A431 (A), HCT116 (B), SP2/0 (C), PC12 (D) whole cell lysates. (Predicted band size: 124; 125 kD; Observed band size: 125 kD)

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