10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-RhoD Antibody

Catalog # AP51474

Product Information

Application	WB
Primary Accession	O00212
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23466

Additional Information

Gene ID	29984
Other Names	ARHD; Rho-related GTP-binding protein RhoD; Rho-related protein HP1; RhoHP1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RhoD. The exact sequence is proprietary.
Dilution	WB~~ 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

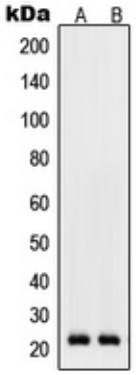
Name	RHOD (HGNC:670)
Synonyms	ARHD
Function	Involved in endosome dynamics. May coordinate membrane transport with the function of the cytoskeleton. Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB. Participates in the reorganization of actin cytoskeleton; the function seems to involve WHAMM and includes regulation of filopodia formation and actin filament bundling. Can modulate the effect of DAPK3 in reorganization of actin cytoskeleton and focal adhesion dissolution.
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome. Note=Colocalizes with RAB5 to early endosomes (By similarity). {ECO:0000250|UniProtKB:P97348}
Tissue Location	Heart, placenta, liver, skeletal muscle, and pancreas and, with weaker

intensity, in several other tissues

References

Shimizu F.,et al.Biochim. Biophys. Acta 1351:13-16(1997).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Taylor T.D.,et al.Nature 440:497-500(2006).
Gasman S.,et al.Nat. Cell Biol. 5:195-204(2003).
Wu X.,et al.Biochem. Biophys. Res. Commun. 351:328-335(2006).

Images



Western blot analysis of RhoD expression in K562 (A), Raw264.7 (B) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 23 kD)

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