

RhoD Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51474**Specification**

RhoD Antibody - Product Information

Application	WB
Primary Accession	O00212
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23 KDa
Antigen Region	91 - 150

RhoD Antibody - Additional Information**Gene ID** 29984**Other Names**

Rho-related GTP-binding protein RhoD, Rho-related protein HP1, RhoHP1, RHOD, ARHD

Target/Specificity

KLH conjugated synthetic peptide derived from human RhoD

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

RhoD Antibody - 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

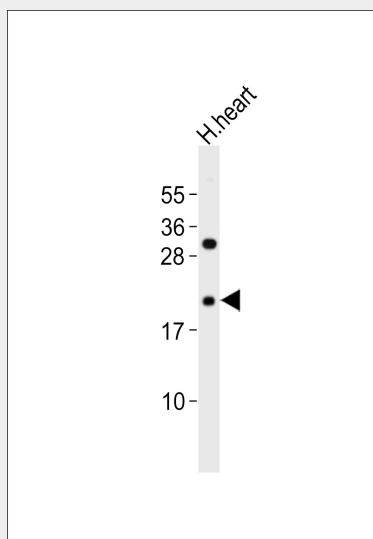
Heart, placenta, liver, skeletal muscle, and pancreas and, with weaker intensity, in several other tissues

RhoD Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RhoD Antibody - Images



Anti-RhoD Antibody at 1:1000 dilution + H.heart tissue lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

RhoD Antibody - Background

Involved in endosome dynamics. May coordinate membrane transport with the function of the cytoskeleton. Participates in reorganization of actin cytoskeleton (By similarity).

RhoD Antibody - 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).