



## Rabbit Anti-RHOD antibody

SL19871R

<b>Product Name:</b>	RHOD
<b>Chinese Name:</b>	RHOD蛋白抗体
<b>Alias:</b>	ARHD; Ras homolog D; Ras homolog gene family member A; Ras homolog gene family member D; Rho; RHO D; Rho related GTP binding protein RhoD; Rho related protein HP1; Rho-related GTP-binding protein RhoD; Rho-related protein HP1; RHOD; RHOD HUMAN; RhoHP1; RHOM.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	23kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RHOD:21-100/210
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Ras homolog, or Rho, proteins interact with protein kinases and may serve as targets for activated GTPase. They play a critical role in muscle differentiation. The protein encoded by this gene binds GTP and is a member of the small GTPase superfamily. It is involved in endosome dynamics and reorganization of the actin cytoskeleton, and it

may coordinate membrane transport with the function of the cytoskeleton. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

**Function:**

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

**Subunit:**

Interacts (in GTP-bound form) with DIAPH2 isoform 3, DAPK3, FILIP1 and WHAMM. Interacts with PAK7/PAK5. Interacts (independent of GTP-loaded status) with ANKFY1.

**Subcellular Location:**

Cell membrane.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the small GTPase superfamily. Rho family.

**SWISS:**

O00212

**Gene ID:**

29984

**Database links:**

[Entrez Gene: 29984](#) Human

[Entrez Gene: 11854](#) Mouse

[Entrez Gene: 293660](#) Rat

[Omim: 605781](#) Human

[SwissProt: O00212](#) Human

[SwissProt: P97348](#) Mouse

[Unigene: 15114](#) Human

[Unigene: 27701](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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