Rabbit anti-Human RHOD Polyclonal Antibody | anti-RHOD antibody

RHOD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325089	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

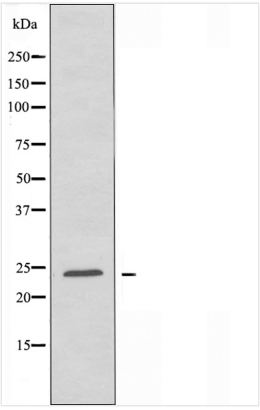
PRODUCT SYNONYMS

RHOD; Polyclonal Antibody; RHOD Antibody; 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_HUMAN; RhoHP1; RHOM; anti-RHOD antibody

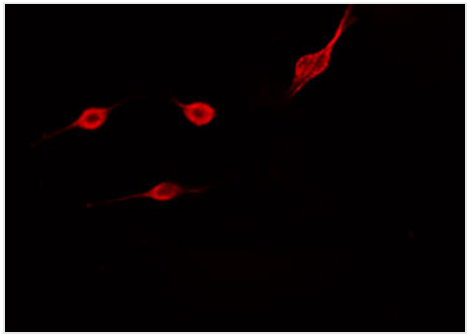
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	RHOD antibody detects endogenous levels of total RHOD
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	210
Applicable Applications for anti-RHOD antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endosome; Plasma Membrane
Tissue Specificity	Heart, placenta, liver, skeletal muscle, and pancreas and, with weaker intensity, in several other tissues.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Dog**
Similarity	Pig (92%), Bovine (83%), Horse (92%), Sheep (92%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from COLO205 cells using RHOD antibody.



IF (Immunofluorescence)
AAA325089 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RHOD antibody	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. Subunit Structure: Interacts (in GTP-bound form) with DIAPH2 isoform 3, DAPK3, FILIP1 and WHAMM. Interacts with PAK5. Interacts (independent of GTP-loaded status) with ANKFY1. Similarity: Belongs to the small GTPase superfamily. Rho family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7656900
NCBI GeneID	29984
NCBI Accession #	NP_055393.1
NCBI GenBank Nucleotide #	NM_014578.3
UniProt Accession #	O00212
Molecular Weight	Observed: 25 kD Predicted: 24 kDa
NCBI Official Full Name	rho-related GTP-binding protein RhoD isoform 1
NCBI Official Synonym Full Names	ras homolog family member D
NCBI Official Symbol	RHOD
NCBI Official Synonym Symbols	Rho; ARHD; RHOM; RHOHP1
NCBI Protein Information	rho-related GTP-binding protein RhoD
UniProt Protein Name	Rho-related GTP-binding protein RhoD
UniProt Gene Name	**RHOD**
UniProt Synonym Gene Names	ARHD; RhoHP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.