

ARG58229 anti-RHOH antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RHOH
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RHOH
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-191 of Human RHOH (NP_004301.1).
Conjugation	Un-conjugated
Alternate Names	Translocation three four protein; GTP-binding protein TTF; Rho-related GTP-binding protein RhoH; TTF; ARHH

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT-29	
Observed Size	25 kDa	

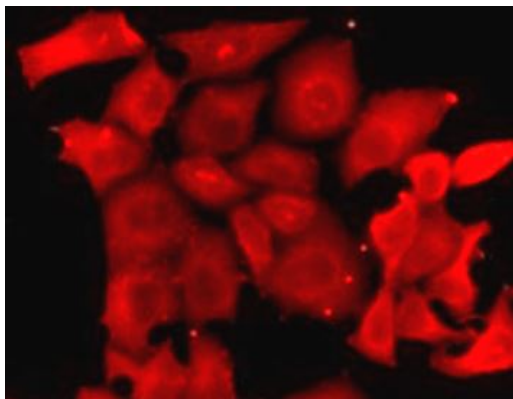
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

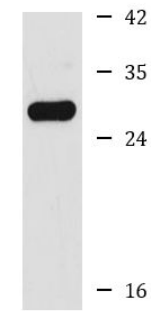
Gene Symbol	RHOH
Gene Full Name	ras homolog family member H
Background	The protein encoded by this gene is a member of the Ras superfamily of guanosine triphosphate (GTP)-metabolizing enzymes. The encoded protein is expressed in hematopoietic cells, where it functions as a negative regulator of cell growth and survival. This gene may be hypermutated or misexpressed in leukemias and lymphomas. Chromosomal translocations in non-Hodgkin's lymphoma occur between this locus and B-cell CLL/lymphoma 6 (BCL6) on chromosome 3, leading to the production of fusion transcripts. Alternative splicing in the 5' untranslated region results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2013]
Function	Negative regulator of hematopoietic progenitor cell proliferation, survival and migration. Critical regulator of thymocyte development and T-cell antigen receptor (TCR) signaling by mediating recruitment and activation of ZAP70. Required for phosphorylation of CD3Z, membrane translocation of ZAP70 and subsequent activation of the ZAP70-mediated pathways. Essential for efficient beta-selection and positive selection by promoting the ZAP70-dependent phosphorylation of the LAT signalosome during pre-TCR and TCR signaling. Crucial for thymocyte maturation during DN3 to DN4 transition and during positive selection. Plays critical roles in mast cell function by facilitating phosphorylation of SYK in Fc epsilon RI-mediated signal transduction. Essential for the phosphorylation of LAT, LCP2, PLCG1 and PLCG2 and for Ca(2+) mobilization in mast cells (By similarity). Binds GTP but lacks intrinsic GTPase activity and is resistant to Rho-specific GTPase-activating proteins. Inhibits the activation of NF-kappa-B by TNF and IKKB and the activation of CRK/p38 by TNF. Inhibits activities of RAC1, RHOA and CDC42. Negatively regulates leukotriene production in neutrophils. [UniProt]
Calculated Mw	21 kDa
PTM	Phosphorylated on tyrosine by LCK. Phosphorylated by FYN. Phosphorylation enhances the interactions with ZAP70 and SYK and is critical for its function in thymocyte development (By similarity). [UniProt]
Cellular Localization	Cytoplasm, Cell membrane, Lipid-anchor, Cytoplasmic side. [UniProt]

Images



ARG58229 anti-RHOH antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG58229 anti-RHOH antibody.



HT-29

ARG58229 anti-RHOH antibody WB image

Western blot: 25 µg of HT-29 cell lysate stained with ARG58229 anti-RHOH antibody at 1:1000 dilution.