



Rho G Polyclonal Antibody

Catalog No	BYab-16241
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	RHOG
Protein Name	Rho-related GTP-binding protein RhoG
Immunogen	The antiserum was produced against synthesized peptide derived from human RHOG. AA range:97-146
Specificity	Rho G Polyclonal Antibody detects endogenous levels of Rho G protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RHOG; ARHG; Rho-related GTP-binding protein RhoG
Observed Band	23kD
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side .
Tissue Specificity	Brain,PCR rescued clones,
Function	function:Required for the formation of membrane ruffles during macropinocytosis. Required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, activated by SopB and SGEF, which induces cytoskeleton rearrangements and promotes bacterial entry.,similarity:Belongs to the small GTPase superfamily. Rho family.,subunit:Interacts with SGEF.,
Background	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and

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motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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Western blot analysis of lysates from Jurkat cells, using RHOG Antibody. The lane on the right is blocked with the synthesized peptide.

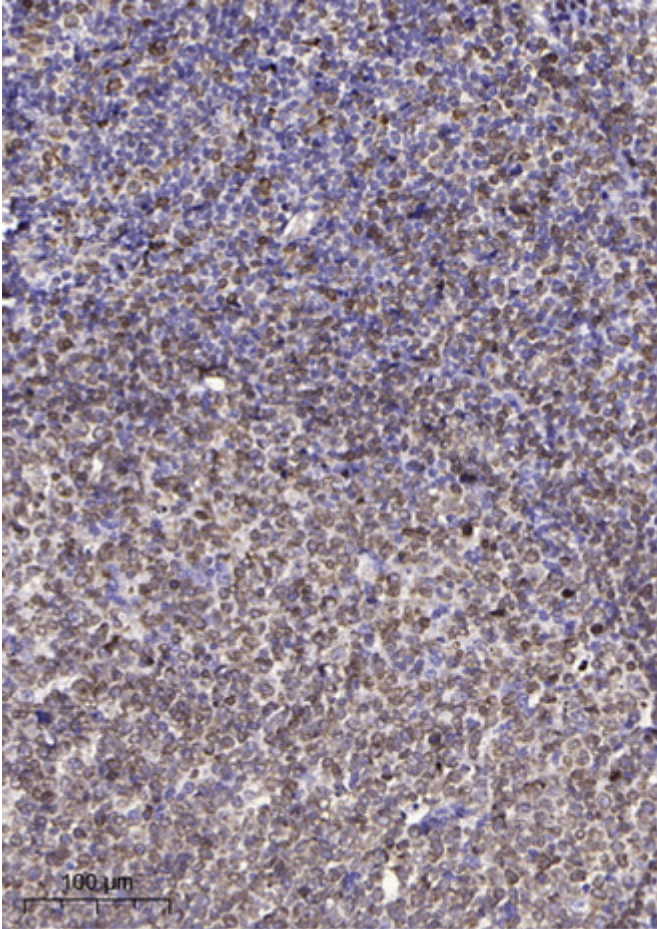


RHOG--

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Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).