

RHOA (phospho S188) polyclonal antibody

Catalog # PAB7905

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of RHOA.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S188 of human RHOA.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This peptide sequence is highly conserved in rat and mouse RhoA, but is not found in RhoB or RhoC proteins.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — RHOA

Entrez GeneID	387
Gene Name	RHOA
Gene Alias	ARH12, ARHA, RHO12, RHOH12
Gene Description	ras homolog gene family, member A
Omim ID	165390
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Aplysia ras-related homolog 12 oncogene RHO H12 small GTP binding protein RhoA

Publication Reference

- [Serine phosphorylation negatively regulates RhoA in vivo.](#)

Ellerbroek SM, Wennerberg K, Burridge K.

The Journal of Biological Chemistry 2003 May; 278(21):19023.

Application: IP, WB-Tr, Mouse, NIH 3T3 cells

- [cGMP-dependent protein kinase phosphorylates and inactivates RhoA.](#)

Sawada N, Itoh H, Yamashita J, Doi K, Inoue M, Masatsugu K, Fukunaga Y, Sakaguchi S, Sone M, Yamahara K, Yurugi T, Nakao K.

Biochemical and Biophysical Research Communications 2001 Jan; 280(3):798.

- [cAMP-induced morphological changes are counteracted by the activated RhoA small GTPase and the Rho kinase ROKalpha.](#)

Dong JM, Leung T, Manser E, Lim L.

The Journal of Biological Chemistry 1998 Aug; 273(35):22554.

Pathway

- [Adherens junction](#)

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [T cell receptor signaling pathway](#)
- [TGF-beta signaling pathway](#)
- [Tight junction](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
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