

RHOJ Rabbit pAb

Catalog # AP98613

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H4E5
Other Accession	Q9H4E5
Reactivity	Rat
Predicted	Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23821
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RHOJ
Epitope Specificity	61-160/214
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the small GTPase superfamily. Rho family.
SUBUNIT	Interacts with the CRIB domains of proteins such as Pak1 and Was/Wasp.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes one of the many small GTP-binding proteins in the Rho family shown to be associated with focal adhesions in endothelial cells (PMID: 21148427, 22103495). The encoded protein is activated by vascular endothelial growth factor and may regulate angiogenesis. [provided by RefSeq, Dec 2011]

Additional Information

Gene ID	57381
Other Names	ARHJ; RASL7B; TC10B; TCL; 1110005O19Rik; TC10L; RHOJ_HUMAN; RHOJ; Ras-like protein family member 7B; Tc10-like GTP-binding protein; RHOI; RHOJ_MOUSE; Rhot; ras homolog family member J; RAS-like, family 7, member B; ras homolog gene family, member J
Dilution	IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RHOJ
Function	Plasma membrane-associated small GTPase specifically involved in angiogenesis (PubMed: 21628409 , PubMed: 24434213 , PubMed: 30158707). Required for endothelial cell migration during vascular development via its interaction with GLUL (PubMed: 30158707). Elicits the formation of F-actin-rich structures, thereby regulating endothelial cell migration (PubMed: 30158707).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side Note=Localization to the plasma membrane is regulated by GLUL
Tissue Location	Specifically expressed in endothelial cells in different tissues, such as brain, heart, lung and liver

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.