

Rhophilin 2 Rabbit pAb

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Catalog # AP57697

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IUC4
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76993
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Rhophilin 2
Epitope Specificity	601-686/686
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > perinuclear region.
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 a member of the rhophilin family of Ras-homologous (Rho)-GTPase binding proteins. The encoded protein binds both GTP- and GDP-bound RhoA and GTP-bound RhoB and may be involved in the organization of the actin cytoskeleton. [provided by RefSeq, Apr 2009]

Additional Information

Gene ID	85415
Other Names	Rhophilin-2, 76 kDa RhoB effector protein, GTP-Rho-binding protein 2, p76RBE, RHPN2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	RHPN2
Function	Binds specifically to GTP-Rho. May function in a Rho pathway to limit stress

fiber formation and/or increase the turnover of F-actin structures in the absence of high levels of RhoA activity.

Cellular Location

Cytoplasm, perinuclear region

Tissue Location

Widely expressed. Highly expressed in prostate, trachea, stomach, colon, thyroid and pancreas. Expressed at lower level in brain, spinal cord, kidney, placenta and liver

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