

Rhophilin 2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57697

Specification

Rhophilin 2 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>O8IUC4</u>

Reactivity
Host
Clonality
Polyclonal
Calculated MW

Clonality
Calculated MW
77 KDa
Physical State
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human Rhophilin 2

Epitope Specificity 601-686/686

Isotype IgG Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm > perinuclear region.

SIMILARITY Belongs to the RHPN family. Contains 1

BRO1 domain. Contains 1 PDZ (DHR)
domain. Contains 1 REM (Hr1) repeat.
SUBUNIT
Interacts with GTP-bound RhoA and RhoB.
Important Note
This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

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]

Rhophilin 2 Polyclonal Antibody - Additional Information

Gene ID 85415

Other Names

Rhophilin-2, 76 kDa RhoB effector protein, GTP-Rho-binding protein 2, p76RBE, RHPN2

Target/Specificity

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

Dilution

IHC-P \sim N/A<br \>IHC-F \sim N/A<br \><span class</pre>



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="dilution IF">IF \sim 1:50 \sim 200
span class ="dilution ICC">ICC \sim N/A
br \>E~~N/A

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.

Rhophilin 2 Polyclonal Antibody - 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

Rhophilin 2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rhophilin 2 Polyclonal Antibody - Images