

**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	<a href="#">Q8IUC4</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Rhophilin 2
Epitope Specificity	601-686/686
Isotype	IgG
<b>Purity</b>	
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.
SIMILARITY	Belongs to the RHPN family. Contains 1 BRO1 domain. Contains 1 PDZ (DHR) domain. Contains 1 REM (Hr1) repeat. Interacts with GTP-bound RhoA and RhoB. This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
SUBUNIT	
Important Note	

**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]

**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** ~ ~ N/A  
**IHC-F** ~ ~ N/A

=<span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**Rhopilin 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

**Rhopilin 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 Cytometry](#)
- [Cell Culture](#)

**Rhopilin 2 Polyclonal Antibody - Images**