



## Rabbit Anti-Rhophilin 2 antibody

SL19878R

<b>Product Name:</b>	Rhophilin 2
<b>Chinese Name:</b>	RhoBinding protein2抗体
<b>Alias:</b>	76 kDa RhoB effector protein; D7Ertd784e; GTP Rho binding protein 2; GTP-Rho-binding protein 2; p76RBE; Rho GTPase binding protein 2; RhoB effector; RhoBP; Rhophilin 2; Rhophilin; Rhophilin like protein; Rhophilin like Rho GTPase binding protein; Rhophilin Rho GTPase binding protein 2; Rhophilin-2; Rhophilin2; RHPN 2; RHPN2; RHPN2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	77kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Rhophilin 2:601-686/686
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**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.

**Subunit:**

Interacts with GTP-bound RhoA and RhoB.

**Subcellular Location:**

Cytoplasm > perinuclear region.

**Tissue 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.

**Similarity:**

Belongs to the RHPN family.  
Contains 1 BRO1 domain.  
Contains 1 PDZ (DHR) domain.  
Contains 1 REM (Hr1) repeat.

**SWISS:**

Q8IUC4

**Gene ID:**

85415

**Database links:**

[Entrez Gene: 533687](#) Cow

[Entrez Gene: 85415](#) Human

[Entrez Gene: 52428](#) Mouse

[Entrez Gene: 308516](#) Rat

[SwissProt: A4FUC9](#) Cow

[SwissProt: Q8IUC4](#) Human

[SwissProt: Q8BWR8](#) Mouse

[Unigene: 466435](#) Human

[Unigene: 286600](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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