

Rhophilin 2 (Internal) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2447a**Specification**

Rhophilin 2 (Internal) Antibody (internal region) - Product Information

Application	IHC
Primary Accession	Q8IUC4
Other Accession	NP_149094.3 , 85415
Reactivity	Human
Predicted	Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	76993

Rhophilin 2 (Internal) Antibody (internal region) - Additional Information**Gene ID** 85415**Other Names**

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Rhophilin 2 (Internal) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Rhophilin 2 (Internal) Antibody (internal region) - 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

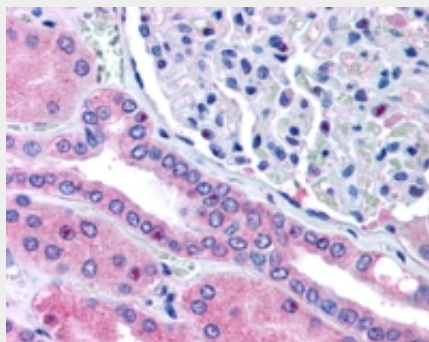
Widely expressed. Highly expressed in prostate, trachea, stomach, colon, thyroid and pancreas.
Expressed at lower level in brain, spinal cord, kidney, placenta and liver

Rhophilin 2 (Internal) Antibody (internal region) - 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](#)

Rhophilin 2 (Internal) Antibody (internal region) - Images



AF2447a (5 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Rhophilin 2 (Internal) Antibody (internal region) - References

The RhoA-binding protein, rhophilin-2, regulates actin cytoskeleton organization. Peck JW, Oberst M, Bouker KB, Bowden E, Burbelo PD. J Biol Chem. 2002 Nov 15;277(46):43924-32. PMID: 12221077