

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

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

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Application       | IHC, E                                              |
| Primary Accession | <a href="#">Q8IUC4</a>                              |
| Other Accession   | <a href="#">NP_149094.3</a> , <a href="#">85415</a> |
| Reactivity        | Human                                               |
| Predicted         | Mouse, Rat                                          |
| 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

**Dilution**

IHC~~1:100~500

E~~N/A

**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

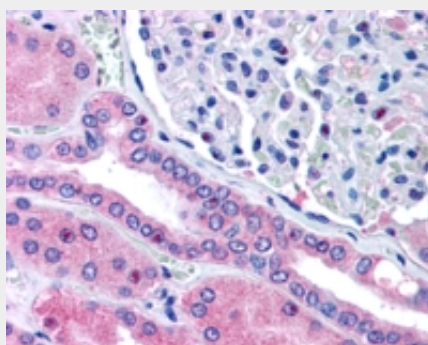
**Tissue Location**

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