

Datasheet for ABIN7269975

**anti-Rho-related GTP-binding protein antibody (C-Term)**[Go to Product page](#)**2** Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | Rho-related GTP-binding protein (Rho (pan))                    |
| Binding Specificity: | C-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Rho-related GTP-binding protein antibody is un-conjugated |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)              |

## Product Details

|                   |   |
|-------------------|---|
| Purpose:          | Rhodopsin Rabbit pAb  |
| Immunogen:        | A synthetic peptide corresponding to a sequence within amino acids 200 to the C-terminus of human Rhodopsin (NP_000530.1).  |
| Sequence:         | NESFVIYMFV VHFTIPMIII FFCYQQLVFT VKEAAAQQQE SATTQKAEKE VTRMVIIMVI<br>AFLICWVPYA SVAFYIFTHQ GSNFGPIFMT IPAFFAKSAA IYNPVIYIMM NKQFRNCMLT<br>TICCGKNPLG DDEASATVSK TETSQVAPA |
| Isotype:          | IgG   |
| Cross-Reactivity: | Mouse, Rat  |
| Characteristics:  | Polyclonal Antibodies   |
| Purification:     | Affinity purification   |

## Target Details

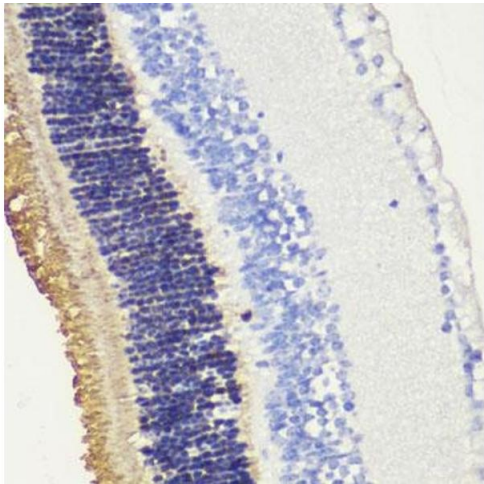
|                   |  |
|-------------------|--|
| Target:           | Rho-related GTP-binding protein (Rho (pan))  |
| Alternative Name: | RHO ( <a href="#">Rho (pan) Products</a> )   |
| Background:       | Retinitis pigmentosa is an inherited progressive disease which is a major cause of blindness in western communities. It can be inherited as an autosomal dominant, autosomal recessive, or X-linked recessive disorder. In the autosomal dominant form, which comprises about 25 % of total cases, approximately 30 % of families have mutations in the gene encoding the rod photoreceptor-specific protein rhodopsin. This is the transmembrane protein which, when photoexcited, initiates the visual transduction cascade. Defects in this gene are also one of the causes of congenital stationary night blindness.,RHO,CSNBAD1,OPN2,RP4,rhodopsin,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,RHO |
| Molecular Weight: | 38kDa  |
| Gene ID:          | 6010   |
| UniProt:          | <a href="#">P08100</a>   |

## Application Details

|                    |                                    |
|--------------------|------------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200 |
| Restrictions:      | For Research Use only              |

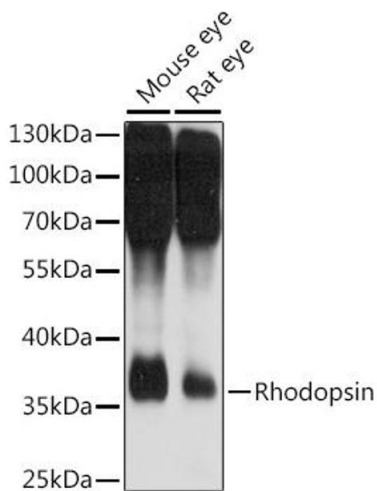
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse retina using Rhodopsin antibody (ABIN7269975) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Rhodopsin antibody (ABIN7269975) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.