

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB12405 - Goat Anti-Peripherin 1 (mouse) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: Prph, peripherin, Prph1, peripherin 1

Official Symbol: Prph

Accession Number(s): NP\_038667.2; NP\_001157060.1; NP\_001157061.1

Non-Human GenelD(s): 19132 (mouse), 24688 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP\_038667.2; NP\_001157060.1; NP\_001157061.1).

### **Immunogen**

Peptide with sequence C-QKEQHSDLDKSSIH, from the C Terminus of the protein sequence according to NP\_038667.2; NP\_001157060.1; NP\_001157061.1.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 55kDa band observed in Rat Colon lysates (calculated MW of 54.0kDa according to NP\_036765.2). Recommended concentration: 0.1-0.3μg/ml. An additional faint band of unknown identity was also consistently observed at 75kDa. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation was 1 hour.

IHC: This antibody has been successfully used in IHC on Mouse, PMID: 36226085.

#### **Species Reactivity**

Tested: Mouse, Rat

Expected from sequence similarity: Mouse, Rat

## **Specific References**

## This antibody has been successfully used in the following paper:

Prakansha N Kumar, Srdjan M Vlajkovic, Peter R Thorne, Haruna Suzuki-Kerr Expression of the P2X1 Receptor Converges onto the Type II Spiral Ganglion Neurons in the Mature Rat Cochlea

https://doi.org/10.21203/rs.3.rs-6272432/v1 (2025)

PMID: 0

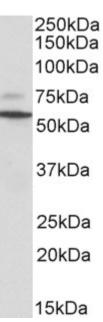
## This antibody has been successfully used in IHC on Mouse:

Jennie M E Cederholm, Kristina E Parley, Chamini J Perera, Georg von Jonquieres, Jeremy L Pinyon, Jean-Pierre Julien, David K Ryugo, Allen F Ryan, Gary D Housley

Noise-induced hearing loss vulnerability in type III intermediate filament peripherin gene knockout mice.

Front Neurol. 2022 Sep 26;13:962227.

PMID: 36226085



EB12405 (0.1μg/ml) staining of Rat Colon lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.