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**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 GeneID(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-QKEQHSDLKSSIH, 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 Reference

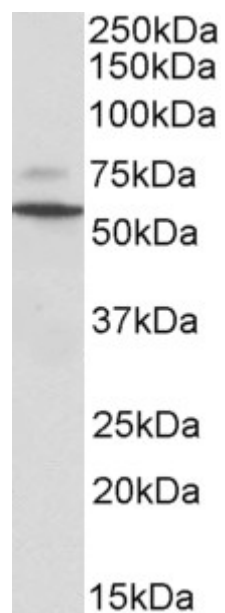
**This antibody has been successfully used in IHC on Mouse:**

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.