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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 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

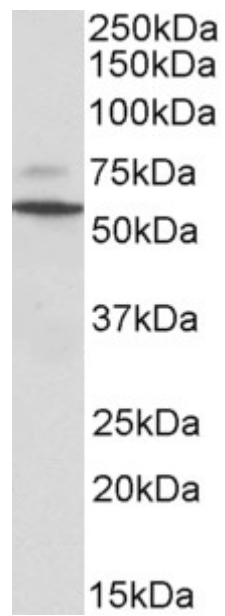
This antibody has been successfully used in IHC on Mouse:

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.