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**Research Use Only. Not
for diagnostic or
therapeutic use.**

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

Product: EB06615 – Goat anti-Malin / EPM2B / NHLRC1

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: NHLRC1; EPM2B; bA204B7.2; NHL repeat containing 1; malin

Official Gene Symbol: NHLRC1

Accession Number(s): NP_940988.2

Human Gene ID(s): 378884

Gene Ontology terms: protein ubiquitination; ubiquitin ligase complex; ubiquitin-protein ligase activity; zinc ion binding

Immunogen

Peptide with sequence CHSIKVVYKVDWG, from the C Terminus of the protein sequence according to NP_940988.2

Purification

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

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: experiments gave bands at approx 45kDa and 28kDa in Human Heart lysates and the 28kDa band was also observed in Human Brain lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 28kDa band we observe given the calculated size of 42.3kDa according to NP_940988 Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins with the size of the additional band). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse, Rat, Dog, Chimpanzee

Background Reference

Chan EM, Omer S, Ahmed M, Bridges LR, Bennett C, Scherer SW, Minassian BA. Progressive myoclonus epilepsy with polyglucosans (Lafora disease): evidence for a third locus.

Neurology. 2004 Aug 10;63(3):565-7.

PMID: 15304597

