

Malin Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56554 (clone S85-18)

Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

Progressive myoclonic epilepsy type 2 (EPM2), also called Lafora disease, is an autosomal recessive disease characterized by grand mal seizures and/or myoclonus at about 15 years of age. Starch-like, endoplasmic reticulum-associated polyglucosans, called Lafora bodies, can be observed in brain, muscle, liver and heart. One cause of Lafora disease is due to mutations in *NHLRC1*, the gene encoding Malin. Malin (also called NHL repeat-containing protein 1) is a single subunit E3 ubiquitin ligase containing 6 NHL repeats and 1 RING-type zinc finger. Malin interacts with and poly-ubiquitinates Laforin, a protein also implicated in EPM2. Malin localizes to the endoplasmic reticulum and, to a lesser extent, in the nucleus. Malin is expressed in brain, cerebellum, spinal cord, medulla, heart, liver, skeletal muscle and pancreas.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 2-125 (N-terminus encompassing RING domain) of human Malin. This sequence is 86% identical to rat and 77% identical to mouse.

Accession nos.: NP_940988.2, Q6VVB1

Gene Id: 378884

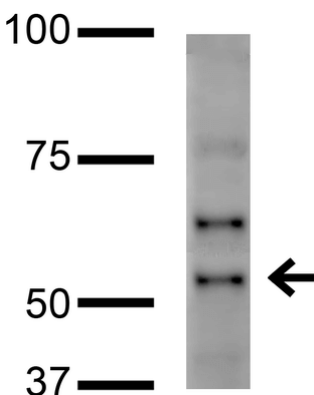
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human Malin.

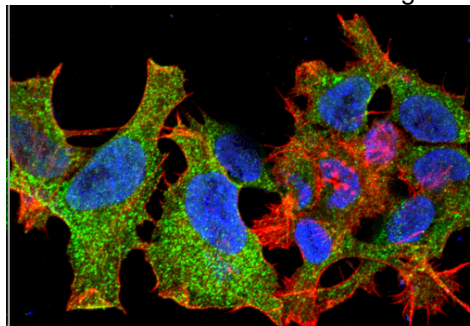
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~42kDa is detected.



Detection of Malin in COS cells transfected with Flag-tagged Malin with #56554 at 5ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of Malin in neuroblastoma cell line SK-N-BE with #56554 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, FITC (green) Malin stain.

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.