NHLRC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NHLRC1, Polyclonal Antibody
Full Product Name	NHLRC1 Antibody
Product Gene Name	anti-NHLRC1 antibody
Product Synonym Names	EPM2A; EPM2B; MALIN; bA204B7.2
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total NHLRC1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	42,293 Da
3D Structure	ModBase 3D Structure for Q6VVB1
Immunogen	Fusion protein of human NHLRC1
Product Categories/Family for anti-NHLRC1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NHLRC1 antibody	Western Blot (WB)
Application Notes for anti-NHLRC1 antibody	WB: 1:200-1:1000 IHC: 1:25-1:100
Related Product Information for anti-NHLRC1 antibody	The protein encoded by this gene is a single subunit E3 ubiquitin ligase. Laforin is polyubiquitinated by the encoded protein. Defects in this intronless gene lead to an accumulation of laforin and onset of Lafora disease, also known as progressive myoclonic epilepsy type 2 (EPM2)
Other Notes	Small volumes of anti-NHLRC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NHLRC1 purchase	MBS8593689 is an antibody targeting NHLRC1. Also known as NHLRC1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NHLRC1. It may not necessarily be applicable to this product.

NCBI GI #	40255283
NCBI GeneID	378884

NCBI Accession #	NP_940988.2
UniProt Primary Accession #	Q6VVB1
UniProt Secondary Accession #	Q3SYB1; Q5VUK7; Q6IMH1
UniProt Related Accession #	Q6VVB1
GenBank Nucleotide #	NM_198586.2
NCBI Official Full Name	E3 ubiquitin-protein ligase NHLRC1
NCBI Official Synonym Full Names	NHL repeat containing E3 ubiquitin protein ligase 1
NCBI Official Symbol	NHLRC1
NCBI Official Synonym Symbols	EPM2A; EPM2B; MALIN; bA204B7.2
UniProt Protein Name	E3 ubiquitin-protein ligase NHLRC1
UniProt Synonym Protein Names	Malin; NHL repeat-containing protein 1; RING-type E3 ubiquitin transferase NHLRC1Curated
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	NHLRC1
UniProt Synonym Gene Names	EPM2B
NCBI Protein Information	E3 ubiquitin-protein ligase NHLRC1
NCBI Summary for NHLRC1	The protein encoded by this gene is a single subunit E3 ubiquitin ligase. Laforin is polyubiquitinated by the encoded protein. Defects in this intronless gene lead to an accumulation of laforin and onset of Lafora disease, also known as progressive myoclonic epilepsy type 2 (EPM2).[provided by RefSeq, Mar 2010]
UniProt Comments for NHLRC1	E3 ubiquitin-protein ligase. Together with the phosphatase EPM2A/laforin, appears to be involved in the clearance of toxic polyglucosan and protein aggregates via multiple pathways. In complex with EPM2A/laforin and HSP70, suppresses the cellular toxicity of misfolded proteins by promoting their degradation through the ubiquitin-proteasome system (UPS). Ubiquitinates the glycogen-targeting protein phosphatase subunits PPP1R3C/PTG and PPP1R3D in a laforin-dependent manner and targets them for proteasome-dependent degradation, thus decreasing glycogen accumulation. Polyubiquitinates EPM2A/laforin and ubiquitinates AGL and targets them for proteasome-dependent degradation. Also promotes proteasome-independent protein degradation through the macroautophagy pathway.
Research Articles on NHLRC1	**1.** Malin promotes its own degradation via auto-ubiquitination.Malin preferentially degrades the phosphatase-inactive laforin monomer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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