

ARG59793 anti-NHLRC1 / Malin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NHLRC1 / Malin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NHLRC1 / Malin
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-280 of Human NHLRC1 (NP_940988.2).
Conjugation	Un-conjugated
Alternate Names	EPM2B; EPM2A; EC 6.3.2.-; NHL repeat-containing protein 1; Malin; MALIN; bA204B7.2; E3 ubiquitin-protein ligase NHLRC1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat heart and Mouse heart	
Observed Size	45 kDa	

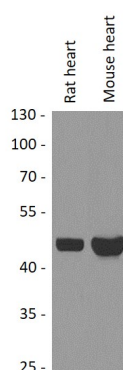
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NHLRC1
Gene Full Name	NHL repeat containing E3 ubiquitin protein ligase 1
Background	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]
Function	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. [UniProt]
Calculated Mw	42 kDa
Cellular Localization	Endoplasmic reticulum. Nucleus. Note=Localizes at the endoplasmic reticulum and, to a lesser extent, in the nucleus. [UniProt]

Images



ARG59793 anti-NHLRC1 / Malin antibody WB image

Western blot: 25 µg of Rat heart and Mouse heart lysates stained with ARG59793 anti-NHLRC1 / Malin antibody at 1:1000 dilution.