Rabbit anti-Human, Rat NHLRC1 Polyclonal Antibody | anti-NHLRC1 antibody

NHLRC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231225	**Rabbit**	**Human, Rat**	**Immunohistochemistry, Western Blot, ELISA**

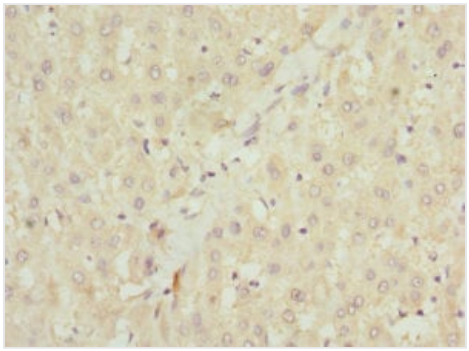
PRODUCT SYNONYMS

NHLRC1; Polyclonal Antibody; NHLRC1 Antibody; E3 ubiquitin-protein ligase NHLRC1; Malin; NHL repeat-containing protein 1; EPM2B; anti-NHLRC1 antibody

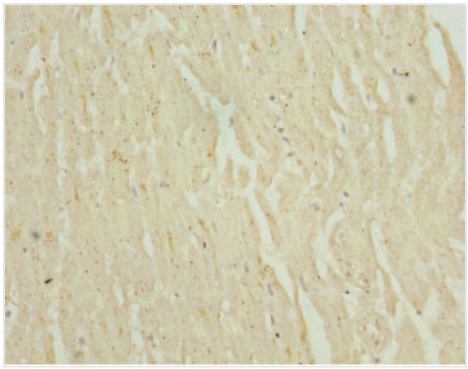
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	395
Applicable Applications for anti-NHLRC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human E3 ubiquitin-protein ligase NHLRC1 protein (N-280AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54234 / sc-54232 / sc-67360
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

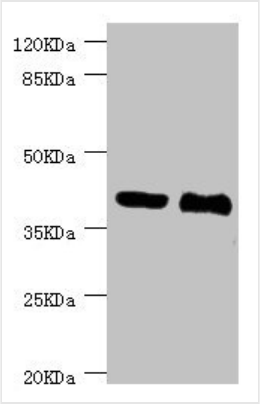
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human liver tissue using AAA231225 at dilution 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human heart tissue using AAA231225 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: NHLRC1 antibody at 3.13ug/mlLane 1:LO2 whole cell lysateLane 2:rat liver tissueSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 42kDaObserved band size: 42kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NHLRC1 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40255283
NCBI GeneID	378884
NCBI Accession #	NP_940988.2
NCBI GenBank Nucleotide #	NM_198586.2
UniProt Accession #	Q6VVB1; Q3SYB1; Q5VUK7; Q6IMH1
Molecular Weight	42,293 Da
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
NCBI Protein Information	E3 ubiquitin-protein ligase NHLRC1
UniProt Protein Name	E3 ubiquitin-protein ligase NHLRC1
UniProt Gene Name	**NHLRC1**
UniProt Synonym Gene Names	EPM2B
UniProt Entry Name	NHLC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.