NHLRC1 Antibody

PACO44356

Product Information

Size:

50ul

Reactivity:

Human, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IHC:1:20-1:200

Protein Background:

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.

Gene ID:

NHLRC1

Uniprot

Q6VVB1

Synonyms:

E3 ubiquitin-protein ligase NHLRC1 (EC 2.3.2.27) (Malin) (NHL repeat-containing protein 1) (RING-type E3 ubiquitin transferase NHLRC1), NHLRC1, EPM2B

Immunogen:

Recombinant Human E3 ubiquitin-protein ligase NHLRC1 protein (1-280AA).

Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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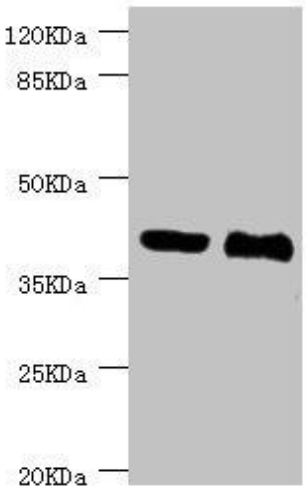
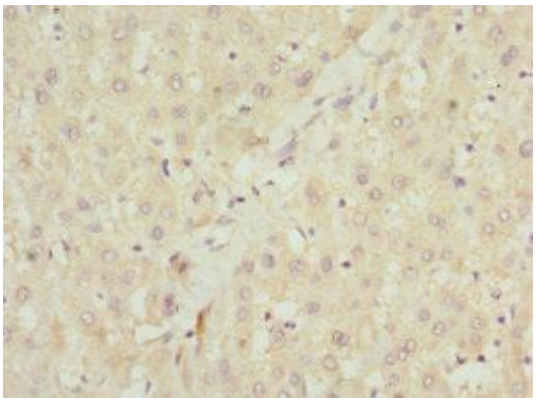
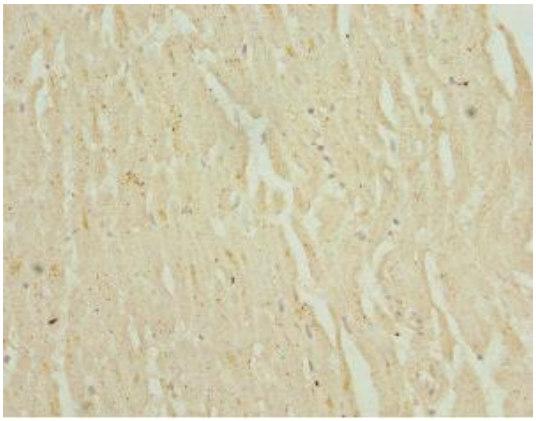
Product Images



Western blot. All lanes: NHLRC1 antibody at 3.13µg/ml. Lane 1: LO2 whole cell lysate. Lane 2: Rat liver tissue. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 42 kDa. Observed band size: 42 kDa.



Immunohistochemistry of paraffin-embedded human liver tissue using PACO44356 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human heart tissue using PACO44356 at dilution of 1:100.

