

Rabbit anti-Human NHLRC2 Polyclonal Antibody | anti-NHLRC2 antibody

Anti-NHLRC2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127907	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NHLRC2; Polyclonal Antibody; Anti-NHLRC2 Antibody Picoband; Transmembrane protein 240; pyridine nucleotide-disulphide oxidoreductase domain 1; Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1; PYROXD1; anti-NHLRC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NHLRC2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NHLRC2 recombinant protein (Position: E67-Q588).
Subcellular Localization	Nucleus, Sarcomere
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Involved in cellular response to oxidative stress.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of U251 cells using anti-NHLRC2 antibody (AAA127907).Overlay histogram showing U251 cells stained with AAA127907 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NHLRC2 Antibody (AAA127907, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of NHLRC2 using anti-NHLRC2 antibody (AAA127907).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human A431 whole cell lysates,Lane 2: human Hacat whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NHLRC2 antigen affinity purified polyclonal antibody (#AAA127907) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NHLRC2 at approximately 79 kDa. The expected band size for NHLRC2 is at 79 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NHLRC2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NHLRC2 antibody	Primary Antibodies; Cell Biology
References	1. Biterova, E., Ignatyev, A., Uusimaa, J., Hinttala, R., Ruddock, L. W. Structural analysis of human NHLRC2, mutations of which are associated with FINCA disease. PLoS One 13: e0202391, 2018. Note: Electronic Article. 2. Brodsky, N. N., Boyarchuk, O., Kovalchuk, T., Hariyan, T., Rice, A., Ji, W., Khokha,, M., Lakhani, S., Lucas, C. L. Novel compound heterozygous variants in NHLRC2 in a patient with FINCA syndrome. J. Hum. Genet. 65: 911-915, 2020. 3. Gross, M. B. Personal Communication. Baltimore, Md. 1/17/2019.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42476013
NCBI GeneID	374354
NCBI Accession #	NP_940916.2
NCBI GenBank Nucleotide #	NM_198514.3
UniProt Accession #	Q8NBF2; Q8N1H1; Q8N5A6
Molecular Weight	79,444 Da
NCBI Official Full Name	NHL repeat-containing protein 2
NCBI Official Synonym Full Names	NHL repeat containing 2
NCBI Official Symbol	NHLRC2
NCBI Protein Information	NHL repeat-containing protein 2; 1200003G01Rik; novel NHL repeat domain containing protein
UniProt Protein Name	NHL repeat-containing protein 2
UniProt Gene Name	NHLRC2
UniProt Entry Name	NHLC2_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.

