

Rabbit anti-Human KLRC1 Polyclonal Antibody | anti-KLRC1 antibody

KLRC1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287254	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

KLRC1; Polyclonal Antibody; KLRC1 Antibody (C-term); NKG2-A/NKG2-B type II integral membrane protein; CD159 antigen-like family member A; NK cell receptor A; NKG2-A/B-activating NK receptor; CD159a; NKG2A; anti-KLRC1 antibody

PRODUCT SPECIFICATIONS

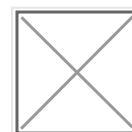
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLRC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-206 amino acids from the C-terminal region of human KLRC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	180-206
Sequence Length	215
Applicable Applications for anti-KLRC1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of KLRC1 Antibody (C-term) with MDA-MB435 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

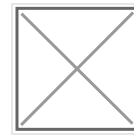


FCM/FACS (Flow Cytometry)

Flow cytometric analysis of jurkat cells using KLRC1 Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**IHC (Immunohistochemistry)**

Formalin-fixed and paraffin-embedded human kidney carcinoma with KLRC1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

**WB (Western Blot)**

Western blot analysis of KLRC1 Antibody (C-term) in Jurkat cell line lysates (35ug/lane). KLRC1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KLRC1 antibody	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. This protein belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells.
Product Categories/Family for anti-KLRC1 antibody	Immunology
References	Brooks,A.G., et.al., J. Exp. Med. 185 (4), 795-800 (1997) Plougastel,B., et.al., Immunogenetics 44 (4), 286-291 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504881
NCBI GeneID	3821
NCBI Accession #	NP_002250.1 ; NP_015567.1 ; NP_998822.1 ; NP_998823.1
NCBI GenBank Nucleotide #	NM_002259.4
UniProt Accession #	P26715
Molecular Weight	26314
NCBI Official Full Name	NKG2-A/NKG2-B type II integral membrane protein isoform NKG2-A
NCBI Official Synonym Full Names	killer cell lectin-like receptor subfamily C, member 1
NCBI Official Symbol	KLRC1
NCBI Official Synonym Symbols	NKG2; NKG2A; CD159A
NCBI Protein Information	NKG2-A/NKG2-B type II integral membrane protein
UniProt Protein Name	NKG2-A/NKG2-B type II integral membrane protein
UniProt Gene Name	KLRC1
UniProt Synonym Gene Names	NKG2A
UniProt Entry Name	NKG2A_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/klrc1-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/287254>