



Anti-KLRC1 (aa 1-70) polyclonal antibody (DPAB-DC1792)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|----------------------------|---|
| Antigen Description | 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. The protein encoded by this gene 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. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Four alternatively spliced transcript variants encoding two distinct isoforms have been observed. |
| Immunogen | KLRC1 (NP_998823, 1 a.a. ~ 70 a.a) partial recombinant protein with GST tag. The sequence is MDNQGVIYSDLNLPPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGNDKTYH CKDLPSAPEK |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Cell lysate), WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

| | |
|----------------------------|--|
| Gene Name | KLRC1 killer cell lectin-like receptor subfamily C, member 1 [Homo sapiens (human)] |
| Official Symbol | KLRC1 |
| Synonyms | KLRC1; killer cell lectin-like receptor subfamily C, member 1; NKG2; NKG2A; CD159A; NKG2-A/NKG2-B type II integral membrane protein; NK cell receptor A; C-lectin type II protein; natural killer cell lectin; natural killer group protein 2; NKG2-1/B activating NK receptor; NKG2-A/B-activating NK receptor; CD159 antigen-like family member A; NKG2-A/B type II integral membrane protein; |
| Entrez Gene ID | 3821 |
| Protein Refseq | NP_002250 |
| UniProt ID | P26715 |
| Chromosome Location | 12p13 |
| Pathway | Adaptive Immune System; Antigen processing and presentation; Graft-versus-host disease; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell |
| Function | carbohydrate binding; transmembrane signaling receptor activity; |