



# 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

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | 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. |
| <b>Immunogen</b>           | KLRC1 (NP_998823, 1 a.a. ~ 70 a.a) partial recombinant protein with GST tag. The sequence is<br>MDNQGVIIYSDLNLPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGNDKTYH<br>CKDLPSAPEK  |
| <b>Source/Host</b>         | Mouse   |
| <b>Species Reactivity</b>  | Human   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB (Cell lysate), WB (Recombinant protein), ELISA,  |
| <b>Size</b>                | 50 µl   |
| <b>Buffer</b>              | 50 % glycerol   |
| <b>Preservative</b>        | None  |

**Storage**

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

## GENE INFORMATION

|                     |  |
|---------------------|--|
| Gene Name           | <a href="#">KLRC1 killer cell lectin-like receptor subfamily C, member 1 [ Homo sapiens (human) ]</a>  |
| 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      | <a href="#">3821</a>   |
| Protein Refseq      | <a href="#">NP_002250</a>  |
| UniProt ID          | <a href="#">P26715</a>   |
| 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;   |