

# **KLRC4 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56404

#### **Product Information**

**Application** IHC-P, IHC-F, IF, ICC, E

Primary Accession

Reactivity

Host

Clonality

Calculated MW

Physical State

C43908

Human

Rabbit

Polyclonal

18234

Liquid

Immunogen KLH conjugated synthetic peptide derived from human KLRC4

Epitope Specificity 51-150/158

**Isotype** IgG

**Purity** affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SUBCELLULAR LOCATION** Membrane.

**SUBUNIT** Can form disulfide-bonded heterodimer with CD94.

**Important Note** This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions** 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. NK cells preferentially

express several calcium-dependent (C-type) lectins, which have been

implicated in the regulation of NK cell function. This gene is a member of the NKG2 group of genes that are expressed primarily in natural killer (NK) cells.

These family members encode transmembrane proteins that are characterized by a type II membrane orientation (have an extracellular C-terminus) and the presence of a C-type lectin domain. This family member is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. Read-through transcription exists between this gene and the downstream KLRK1 (killer cell lectin-like receptor subfamily K, member 1) family member. [provided by RefSeq, Dec 2010]

#### **Additional Information**

Gene ID 8302

Other Names NKG2-F type II integral membrane protein, NK cell receptor F,

NKG2-F-activating NK receptor, KLRC4, NKG2F

Target/Specificity Natural killer cells.

**Dilution** IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-

10000

**Storage** 

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **Protein Information**

Name KLRC4

**Synonyms** NKG2F

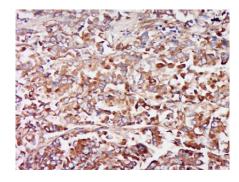
**Function** May play a role as a receptor for the recognition of MHC class I HLA-E

molecules by NK cells.

**Cellular Location** Membrane; Single-pass type II membrane protein.

**Tissue Location** Natural killer cells.

### **Images**



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal

goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-KLRC4 Polyclonal Antibody,

Unconjugated(AP56404) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.