

# KIR2DL3 Polyclonal antibody

Catalog Number: 18966-1-AP

## Basic Information

**Catalog Number:**

18966-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5163

**GenBank Accession Number:**

BC032422

**GeneID (NCBI):**

3804

**UNIPROT ID:**

P43628

**Full Name:**killer cell immunoglobulin-like  
receptor, two domains, long  
cytoplasmic tail, 3**Calculated MW:**

341 aa, 38 kDa

**Observed MW:**

58 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : human liver tissue,

## Background Information

Killer cell immunoglobulin-like receptors (KIRs) are a diverse family of inhibitory and activating receptors expressed on NK cells and a subset of T cells (PMID: 11861603). These polymorphic receptors interact with specific motifs on HLA class I molecules, modulate NK cytolytic activity and are encoded by genes located on chromosome 19q13.4 (PMID: 17069649). KIR2DL3, also known as CD158B2 or NKAT2, is an inhibitory receptor that is specific for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7) (PMID: 10196125). It is a 341-amino acid transmembrane glycoprotein consisting of an extracellular region containing two C2-type Ig-like domains, a 19-amino acid hydrophobic transmembrane region, and a long cytoplasmic tail with two immunoreceptor tyrosine-based inhibitory motifs (ITIMs). KIR2DL3 inhibits the cytolytic activity of NK cells thus preventing cell lysis (PMID: 7724594).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

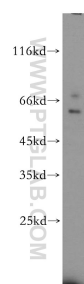
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 18966-1-AP (KIR2DL3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.