

For Research Use Only

KIR2DL3 Polyclonal antibody

Catalog Number: 18966-1-AP



Basic Information

Catalog Number:

18966-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

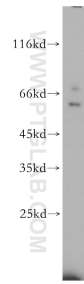
For technical support and original validation data for this product please contact:

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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.