

Datasheet for ABIN651949

**anti-KIR2DL2 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	KIR2DL2
Binding Specificity:	AA 263-291, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR2DL2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This KIR2DL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-291 amino acids from the C-terminal region of human KIR2DL2.
Clone:	RB23818
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	KIR2DL2
Alternative Name:	KIR2DL2 ( <a href="#">KIR2DL2 Products</a> )
Background:	Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by

## Target Details

natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several 'framework' genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules, thus, KIR proteins are thought to play an important role in regulation of the immune response.

Molecular Weight:	38472
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Gene ID:	3803
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NCBI Accession:	<a href="#">NP_055034</a>
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UniProt:	<a href="#">P43627</a>
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## Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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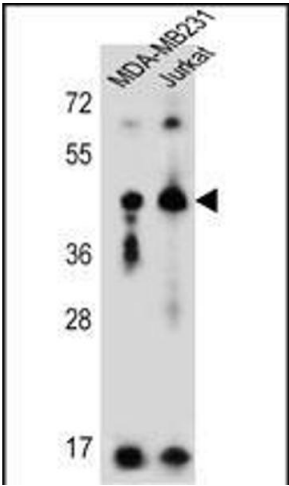
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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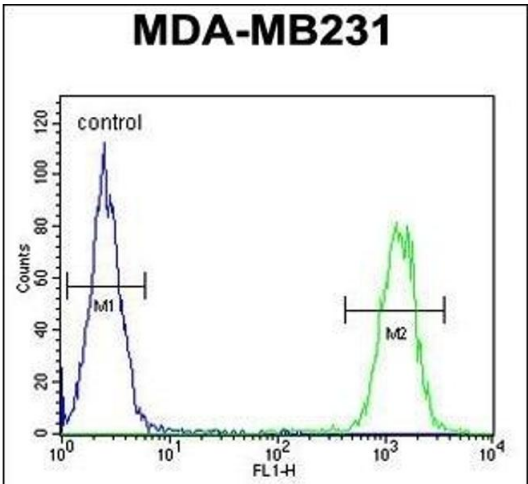
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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### Western Blotting

**Image 1.** KIR2DL2 Antibody (C-Term) (ABIN651949 and ABIN2840471) western blot analysis in MDA-M, Jurkat cell line lysates (35 µg/lane). This demonstrates the KIR2DL2 antibody detected the KIR2DL2 protein (arrow).



### Flow Cytometry

**Image 2.** KIR2DL2 Antibody (C-Term) (ABIN651949 and ABIN2840471) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.