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Datasheet for ABIN651950
anti-KIR2DS3 antibody (C-Term)

3 Images

Overview

Quantity:	400 µL
Target:	KIR2DS3
Binding Specificity:	AA 268-295, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR2DS3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This KIR2DS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 268-295 amino acids from the C-terminal region of human KIR2DS3.
Clone:	RB23353
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	KIR2DS3
Alternative Name:	KIR2DS3 (KIR2DS3 Products)

Target Details

Background: Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by 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: 33717

Gene ID: 3808

NCBI Accession: [NP_036445](#)

UniProt: [Q14952](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

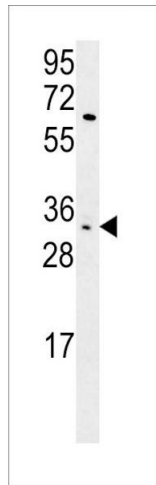
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

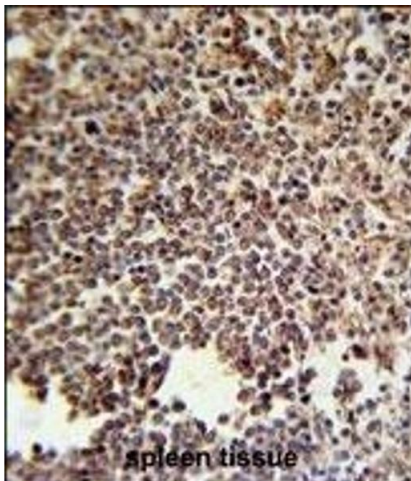
Storage: 4 °C, -20 °C

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.



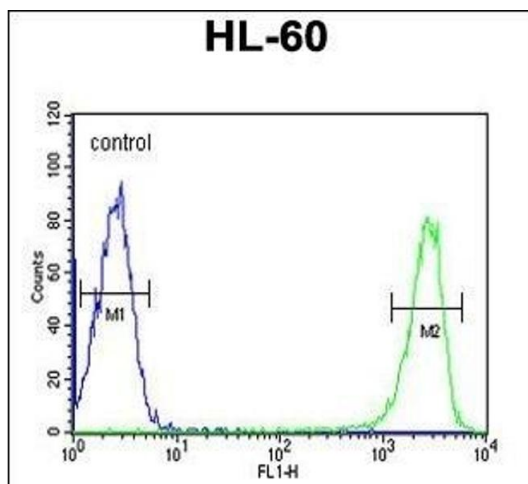
Western Blotting

Image 1. KIR2DS3 Antibody (C-term) (ABIN651950 and ABIN2840472) western blot analysis in HL-60 cell line lysates (15 µg/lane). This demonstrates the KIR2DS3 antibody detected the KIR2DS3 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. KIR2DS3 Antibody (C-term) (ABIN651950 and ABIN2840472) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KIR2DS3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry

Image 3. KIR2DS3 Antibody (C-term) (ABIN651950 and ABIN2840472) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.