Datasheet for ABIN651951

anti-KIR2DS2 antibody (AA 39-65)

3 Images

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Overview

Quantity:	400 µL
Target:	KIR2DS2
Binding Specificity:	AA 39-65
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR2DS2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This KIR2DS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-65 amino acids from the Central region of human KIR2DS2.
Clone:	RB26424
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	KIR2DS2
Alternative Name:	KIR2DS2 (KIR2DS2 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:	33502
Gene ID:	100132285
NCBI Accession:	NP_036444
UniProt:	P43631

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

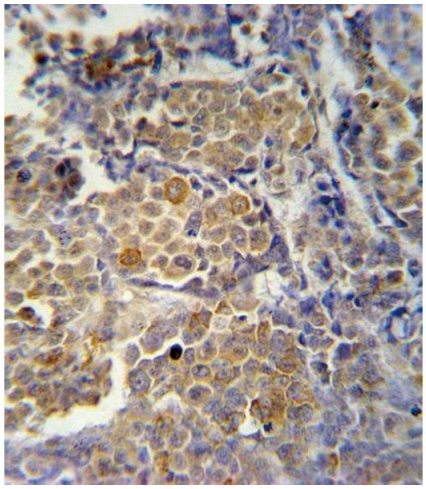
Handling

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.

Handling

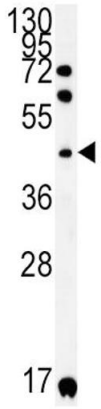
Expiry Date:	6 months

Images



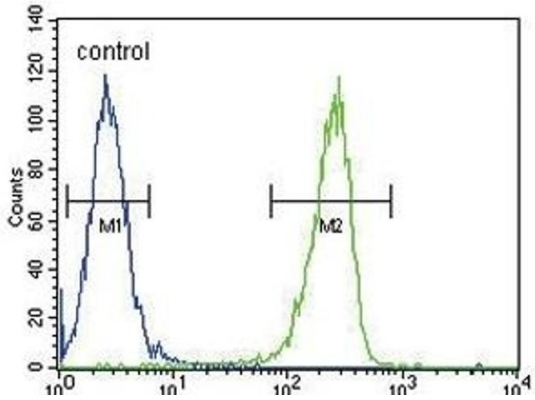
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. KIR2DS2 Antibody (Center) (ABIN651951 and ABIN2840473) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KIR2DS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. KIR2DS2 Antibody (Center) (ABIN651951 and ABIN2840473) western blot analysis in cell line lysates (35 µg/lane).This demonstrates the KIR2DS2 antibody detected the KIR2DS2 protein (arrow).



Flow Cytometry

Image 3. KIR2DS2 Antibody (Center) (ABIN651951 and ABIN2840473) flow cytometric analysis of cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.