

Rabbit anti-Human KIR2DL1 Polyclonal Antibody | anti-KIR2DL1 antibody

KIR2DL1 Antibody

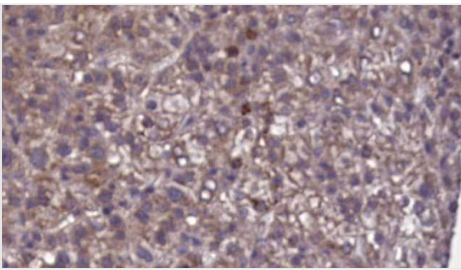
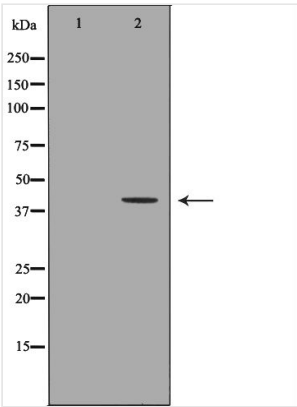
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326326	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

KIR2DL1; Polyclonal Antibody; KIR2DL1 Antibody; CD158 antigen-like family member A; CD158a; KI2L1_HUMAN; Killer cell immunoglobulin like receptor two domains long cytoplasmic tail 1; Killer cell immunoglobulin-like receptor 2DL1; KIR-K64; KIR221; MHC class I NK cell receptor; Natural killer-associated transcript 1; NKAT 1; NKAT; NKAT-1; p58 natural killer cell receptor clones CL-42/47.11; p58 NK receptor; p58 NK receptor CL-42/47.11; p58.1; p58.1 MHC class-I-specific NK receptor; anti-KIR2DL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KIR2DL1 antibody detects endogenous levels of total KIR2DL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-KIR2DL1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIR2DL1
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed by NK cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326326 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of HepG2, using KIR2DL1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KIR2DL1 antibody

Description: 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. [provided by RefSeq, Jul 2008]

Function: Receptor on natural killer (NK) cells for some HLA-C alleles such as w4 and w6. Inhibits the activity of NK cells thus preventing cell lysis.

Subunit Structure: Interacts with ARRB2. Interacts with PTPN6; the interaction is enhanced by ARRB2. Interacts with PTPN11; the interaction is enhanced by ARRB2.

Similarity: Belongs to the immunoglobulin superfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611923
NCBI GeneID	3802
NCBI Accession #	NP_055033.2
NCBI GenBank Nucleotide #	NM_014218.2
UniProt Accession #	P43626; O43470; Q32WE6; Q6IST4
Molecular Weight	Observed: 39 kDa Predicted: 39 kDa
NCBI Official Full Name	killer cell immunoglobulin-like receptor 2DL1
NCBI Official Synonym Full Names	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 1
NCBI Official Symbol	KIR2DL1
NCBI Official Synonym Symbols	NKAT; NKAT1; p58.1; CD158A; KIR221; NKAT-1; KIR-K64; KIR2DL3
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DL1
UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DL1

UniProt Gene Name	KIR2DL1
UniProt Synonym Gene Names	CD158A; NKAT1; NKAT-1; p58 NK receptor CL-42/47.11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kir2dl1-antibody-immunohistochemistry-western-blot-elisa/326326>