

Rabbit anti-Human KIR2DS2 Polyclonal Antibody | anti-KIR2DS2 antibody

KIR2DS2 Antibody (Center)

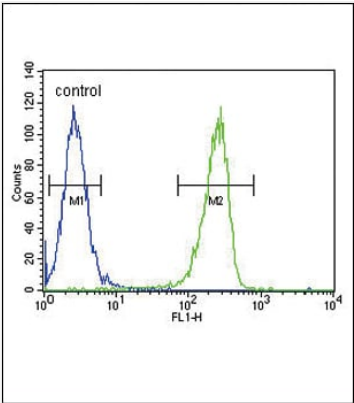
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289111	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

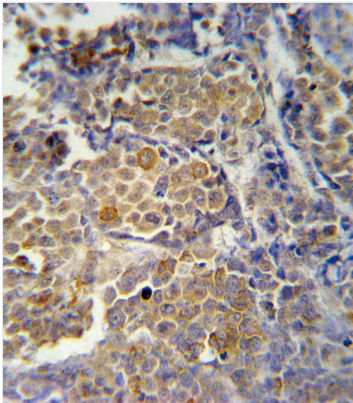
KIR2DS2; Polyclonal Antibody; KIR2DS2 Antibody (Center); Killer cell immunoglobulin-like receptor 2DS2; CD158 antigen-like family member J; MHC class I NK cell receptor; NK receptor 183 Act1; Natural killer-associated transcript 5; NKAT-5; p58 natural killer cell receptor clone CL-49; p58 NK receptor CL-49; CD158j; CD158J; NKAT5; anti-KIR2DS2 antibody

PRODUCT SPECIFICATIONS

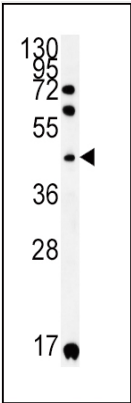
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KIR2DS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-65 amino acids from the Central region of human KIR2DS2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	39-65
Sequence Length	304
Applicable Applications for anti-KIR2DS2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
KIR2DS2 Antibody (Center) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
KIR2DS2 Antibody (Center) 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.



WB (Western Blot)
KIR2DS2 Antibody (Center) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the KIR2DS2 antibody detected the KIR2DS2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KIR2DS2 antibody	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.
Product Categories/Family for anti-KIR2DS2 antibody	Immunology

References	Biassoni, R., et al. J. Exp. Med. 183(2):645-650(1996) Dohring, C., et al. Immunogenetics 44(3):227-230(1996) Wagtmann, N., et al. Immunity 2(5):439-449(1995) Colonna, M., et al. Science 268(5209):405-408(1995)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912472
NCBI GeneID	100132285
NCBI Accession #	NP_036444.1
NCBI GenBank Nucleotide #	NM_012312.4
UniProt Accession #	P43631; Q14955; Q6H2G9
Molecular Weight	33502
NCBI Official Full Name	killer cell immunoglobulin-like receptor 2DS2 isoform a
NCBI Official Synonym Full Names	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2
NCBI Official Symbol	KIR2DS2
NCBI Official Synonym Symbols	NKAT5; cl-49; CD158J; CD158b; NKAT-5; 183Actl
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DS2
UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DS2
UniProt Gene Name	KIR2DS2
UniProt Synonym Gene Names	CD158J; NKAT5; NKAT-5; p58 NK receptor CL-49
UniProt Entry Name	KI2S2_HUMAN

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.