

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

KIR2DS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40822	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

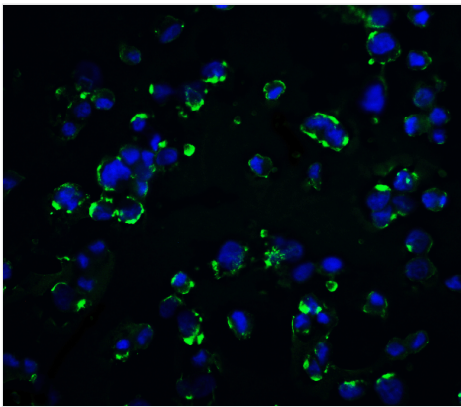
PRODUCT SYNONYMS

KIR2DS2; Polyclonal Antibody; KIR2DS2 Antibody; Killer cell immunoglobulin-like receptor two domains short cytoplasmic tail 2; KIR2DL3; MHC class I NK cell receptor; Natural killer-associated transcript 5; NKAT5; p58 KIR; p58 natural killer cell receptor clone CL-49; p58 NK receptor; anti-KIR2DS2 antibody

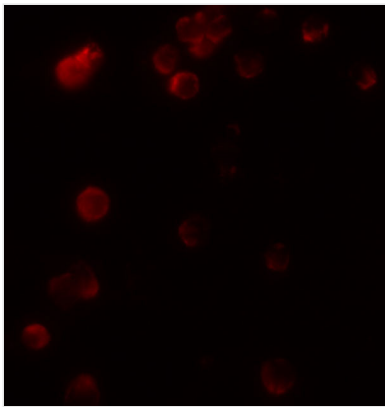
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KIR2DS2 antibody is human specific. Multiple isoforms are known to exist.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	304
Applicable Applications for anti-KIR2DS2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	KIR2DS2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human KIR2DS2.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	293 Cell Lysate
Conjugate	Unconjugated
MW Explanation	Potentially post-translationally modified
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

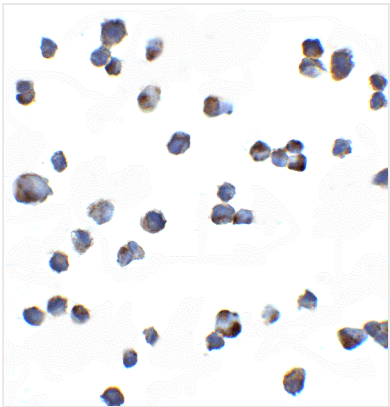
IMAGES



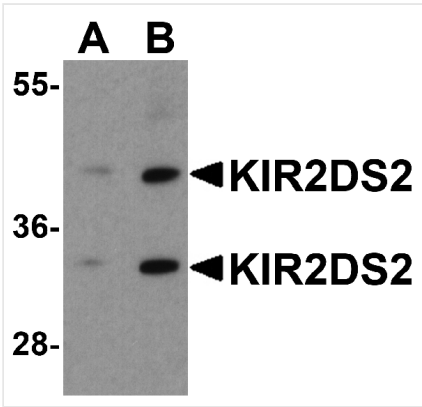
IF (Immunofluorescence)
Immunofluorescence of KIR2DS2 in Hek293 cells with KIR2DS2 antibody at 20 μ g/mL. Green: KIR2DS2 Antibody (8201) Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of KIR2DS2 in 293 cells with KIR2DS2 antibody at 20 μ g/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of KIR2DS2 in Hek293 cells with KIR2DS2 antibody at 5 μ g/mL.



WB (Western Blot)
Western blot analysis of KIR2DS2 in 293 cell lysate with KIR2DS2 antibody at (A) 1 and (B) 2 μ g/mL.

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 (1). The KIR proteins are classified by the number of extracellular immunoglobulin domains and by whether they have a long (L) or short (S) cytoplasmic domain (2,3). KIR proteins are thought to play an important role in regulation of the immune response (3). KIR2DS2 downregulates the cytotoxicity of NK cells upon recognition of specific class I major histocompatibility complex (MHC) molecules on target cells and is a receptor on natural killer (NK) cells for HLA-C alleles (3,4).
Product Categories/Family for anti-KIR2DS2 antibody	Immunology
References	Colonna M and Samaridis J. Cloning of immunoglobulin-superfamily members associated with HLA-C and HLA-B recognition by human natural killer cells. Science 1995; 268:405-8. Biassoni R, Cantoni C, Falco M, et al. The human leukocyte antigen (HLA)-C-specific "activatory" or "inhibitory" natural killer cell receptors display highly homologous extracellular domains but differ in their transmembrane and intracytoplasmic portions. J. Exp. Med. 1996; 183:645-50. Wagtmann N, Biassoni R, Cantoni C, et al. Molecular clones of the p58 NK cell receptor reveal immunoglobulin-related molecules with diversity in both the extra- and intracellular domains. Immunity 1995; 2:439-49. Moesta AK and Parham P. Diverse functionality among human NK cell receptors for the C1 epitope of HLA-C: KIR2DS2, KIR2DL2, and KIR2DL3. Front. Immunol. 2012; 3:336.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912472
NCBI GeneID	100132285

NCBI Accession #	NP_036444
NCBI GenBank Nucleotide #	NM_012312.4
UniProt Accession #	P43631 ; Q14955 ; Q6H2G9
Molecular Weight	Predicted: 28, 33, 37 kDa Observed: 34, 42 kDa
NCBI Official Full Name	killer cell immunoglobulin-like receptor 2DS2 isoform a
NCBI Official Synonym Full Names	killer cell immunoglobulin like receptor, two Ig domains and short cytoplasmic tail 2
NCBI Official Symbol	KIR2DS2
NCBI Official Synonym Symbols	NKAT5; cl-49; CD158J; CD158b; NKAT-5; 183Actl; KIR-2DS2
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kir2ds2-antibody-immunofluorescence-western-blot-elisa/40822>