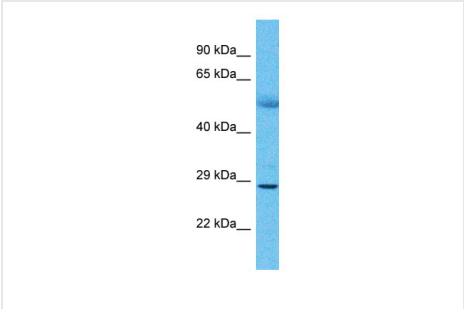
KIR3DS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KIR3DS1, Polyclonal Antibody
Full Product Name	KIR3DS1 Antibody - middle region
Product Gene Name	anti-KIR3DS1 antibody
Product Synonym Gene Name	KIR-G1; NKAT10; CD158E2; NKAT-10; KIR-123FM
Immunogen Sequence	Synthetic peptide located within the following region: IMFEHFFLHK EWISKDPSRL VGQIHDGVSK ANFSIGSMMR ALAGTYRCYG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	KIR3DS1 peptide (MBS3231308) is used for blocking the activity of KIR3DS1 antibody (MBS3206342)
Molecular Weight	30kDa
3D Structure	ModBase 3D Structure for Q4KN23
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human KIR3DS1
Product Categories/Family for anti-KIR3DS1 antibody	Polyclonal; Various
Applications Tested/Suitable for anti-KIR3DS1 antibody	Western Blot (WB)
Related Product Information for anti-KIR3DS1 antibody	This is a rabbit polyclonal antibody against KIR3DS1. It was validated on Western Blot Target 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-KIR3DS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for KIR3DS1 purchase	MBS3206342 is an antibody targeting KIR3DS1. Also known as KIR3DS1 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KIR3DS1 antibody
Host: RabbitTarget Name: KIR3DS1Sample Type: Lung Tumor lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIR3DS1. It may not necessarily be applicable to this product.

NCBI GI #	531990841
NCBI GeneID	3813
NCBI Accession #	NP_001269100.1
UniProt Primary Accession #	Q4KN23
UniProt Related Accession #	Q14943
GenBank Nucleotide #	NM_001282171.1
NCBI Official Full Name	killer cell immunoglobulin-like receptor 3DS1 isoform 3
NCBI Official Synonym Full Names	killer cell immunoglobulin like receptor, three Ig domains and short cytoplasmic tail 1
NCBI Official Symbol	KIR3DS1
NCBI Official Synonym Symbols	KIR-G1; NKAT10; CD158E2; NKAT-10; KIR-123FM
Protein Family	Killer cell immunoglobulin-like receptor
NCBI Protein Information	killer cell immunoglobulin-like receptor 3DS1
NCBI Summary for KIR3DS1	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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]
Research Articles on KIR3DS1	**1.** interactions between KIR3DS1 and HLA-F contribute to NK cell-mediated control of HCV.
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