

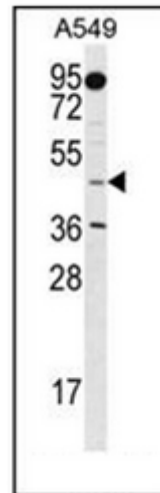
Polyclonal Antibody to KIR3DS1 (Center) - Aff - Purified

Alternate names:	1, Killer cell immunoglobulin-like receptor, short cytoplasmic tail, three domains
Catalog No.:	AP52375PU-N
Quantity:	0.1 mg
Concentration:	0.25 mg/ml
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.
Uniprot ID:	O43469
NCBI:	NP_001077008
GeneID:	3813
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 148-178 amino acids from the Central region of human KIR3DS1
Format:	State: Liquid purified Ig fraction Purification: Protein A column, followed by peptide affinity purification Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human KIR3DS1 (Center).
Add. Information:	Molecular Weight: 42;447 Da

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Zvyagin, I.V., et al. Cell. Mol. Immunol. 7(6):471-476(2010)
Jiao, Y.L., et al. J. Clin. Immunol. 30(6):840-844(2010)
Zhu, B.F., et al. Hum. Immunol. 71(11):1116-1123(2010)
Velickovic, M., et al. Tissue Antigens 76(4):325-330(2010)
Gao, X., et al. Clin. Immunol. 137(1):139-146(2010)

Pictures: Western blot analysis of KIR3DS1 Antibody (Center) Cat.-No AP52375PU-N in A549 cell line lysates (35ug/lane). This demonstrates the KIR3DS1 antibody detected the KIR3DS1 protein (arrow).



Flow cytometric analysis of A549 cells using KIR3DS1 Antibody (Center) Cat.-No AP52375PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

