

Product datasheet for **TA327104**

KIR3DL1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IHC 1:50- 1:200
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human KIR3DL1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 1
Database Link:	NP_037421 Entrez Gene 245616 Mouse Entrez Gene 3811 Human P43629



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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.

Synonyms:

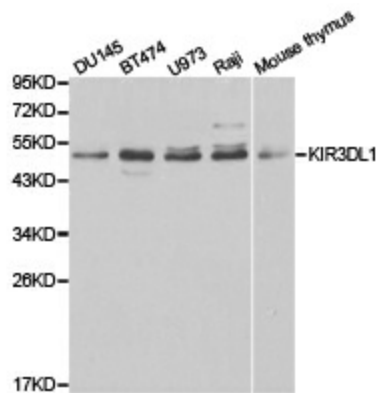
CD158E1; KIR; KIR3DL1; NKAT-3; NKAT3; NKB1; NKB1B; S1

Protein Families:

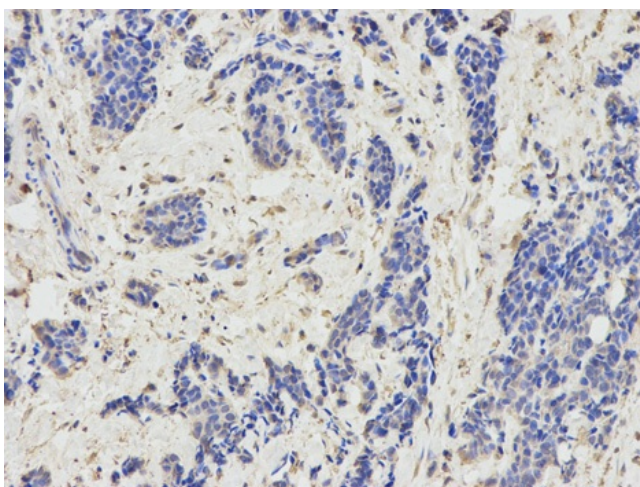
Transmembrane

Protein Pathways:

Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity

Product images:

Western blot analysis of extracts of various cell lines, using KIR3DL1 antibody.



Immunohistochemistry of paraffin-embedded human breast cancer using KIR3DL1 antibody at dilution of 1:200 (200x lens).