

KIR3DL3 Rabbit pAb

Catalog No.: A10064

Basic Information

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A10064

Observed MW

45kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB, IHC

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200

Contact

 | www.abclonal.com

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. This gene is one of the 'framework' loci that is present on all haplotypes.

Immunogen Information

Gene ID	Swiss Prot
115653	Q8N743

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 26-322 of human KIR3DL3 (NP_703144.3).

Synonyms

KIR3DL3;CD158Z;KIR3DL7;KIR44;KIRC1

Product Information

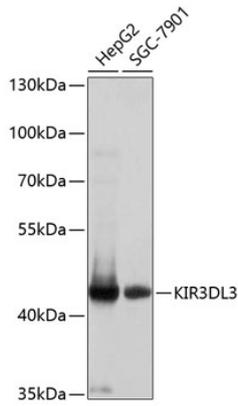
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using KIR3DL3 antibody (A10064) at 1:1000 dilution.

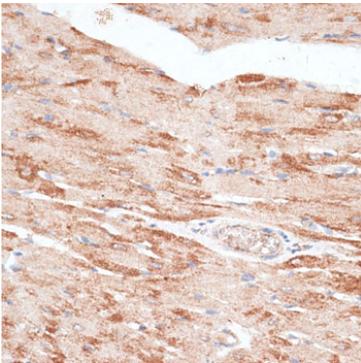
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

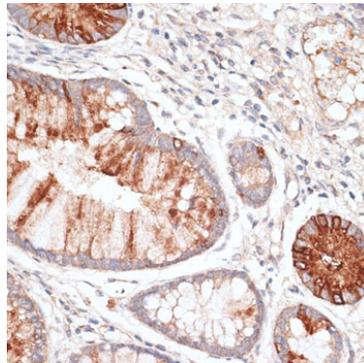
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

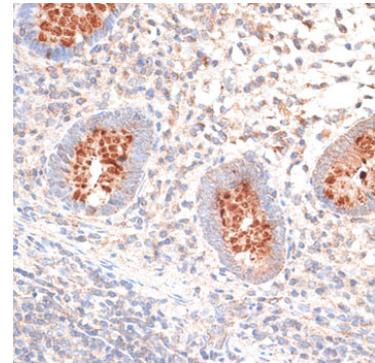
Exposure time: 15s.



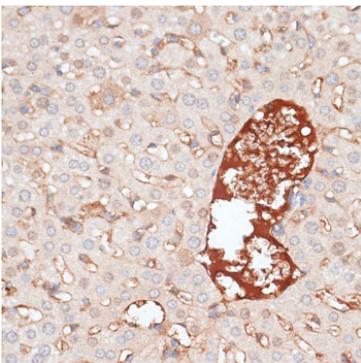
Immunohistochemistry of paraffin-embedded rat heart using KIR3DL3 antibody (A10064) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using KIR3DL3 antibody (A10064) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human appendix using KIR3DL3 antibody (A10064) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using KIR3DL3 antibody (A10064) at dilution of 1:100 (40x lens).