

CD159a/c Polyclonal Antibody

Catalog No :	YT5288
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	CD159a/c
Fields :	>>Antigen processing and presentation;>>Natural killer cell mediated cytotoxicity;>>Graft-versus-host disease
Gene Name :	KLRC1/KLRC2/KLRC3
Protein Name :	NKG2-A/NKG2-B type II integral membrane protein/NKG2-C type II integral membrane protein/NKG2-E type II integral membrane protein
Human Gene Id :	3821
Human Swiss Prot No :	P26715
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human KLRC1/2/3. AA range:101-150
Specificity :	CD159a/c Polyclonal Antibody detects endogenous levels of CD159a/c protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 25kD

Cell Pathway : Antigen processing and presentation;Natural killer cell mediated cytotoxicity;Graft-versus-host disease;

Background : Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provide

Function : function:Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.,online information:NKG-2A,similarity:Contains 1 C-type lectin domain.,subunit:Can form disulfide-bonded heterodimer with CD94.,tissue specificity:Natural killer cells.,

Subcellular Location : Cell membrane ; Single-pass type II membrane protein .

Expression : Predominantly expressed in NK cells (at protein level) (PubMed:9430220, PubMed:9485206, PubMed:20952657). Expressed in intraepithelial CD8-positive T cell subsets with higher frequency in gamma-delta T cells than alpha-beta T cells (at protein level) (PubMed:18064301). Expressed in memory gamma-delta T cells (at protein level) (PubMed:20952657). Restricted to a subset of memory/effector CD8-positive alpha-beta T cells (at protein level) (PubMed:12387742). Expressed in intratumoral NK and CD8-positive T cells (PubMed:30503213). Expressed in melanoma-specific cytotoxic T cell clones (at protein level) (PubMed:9485206). KLRD1-KLRC1 and KLRD1-KLRC2 are differentially expressed in NK and T cell populations, with only minor subsets expressing both receptor complexes (at protein level) (PubMed:20

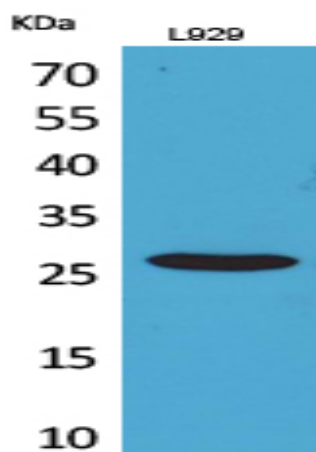
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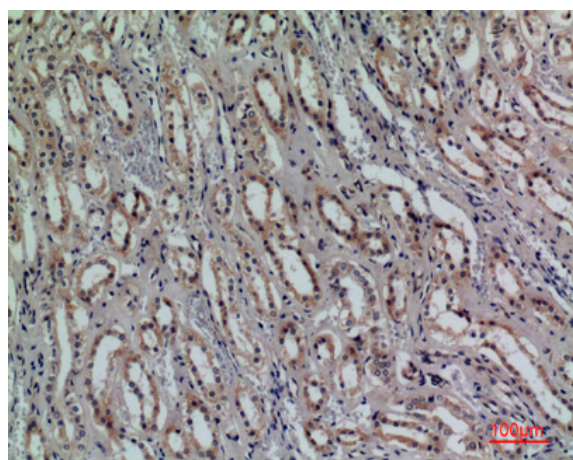
Host : Rabbit

Modifications : Unmodified

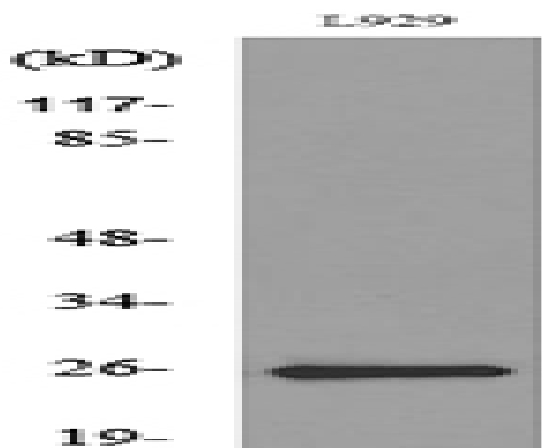
Products Images



Western Blot analysis of L929 cells using CD159a/c Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human kidney, antibody was diluted at 1:100



Western blot analysis of lysate from L929 cells, using KLRC1/2/3 Antibody.