

产品名称: CD314 Rabbit Polyclonal Antibody
产品货号: APRab08355



产品概述 (Summary)

产品名称 (Production Name)	CD314 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KLRK1 KLRK1; D12S2489E; NKG2D; NKG2-D type II integral membrane protein; Killer cell lectin-like receptor subfamily K member 1; NK cell receptor D; NKG2-D-activating NK receptor; CD antigen CD314
别名 (Alternative Names)	
基因 ID (Gene ID)	22914.0
蛋白 ID (SwissProt ID)	P26718.The antiserum was produced against synthesized peptide derived from human KLRK1. AA range:111-160

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	25kDa

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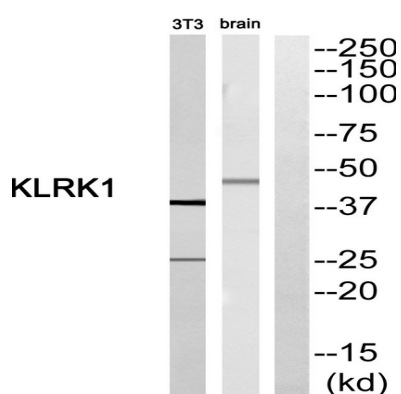
研究背景 (Background)

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. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. This gene encodes a member of the NKG2 family. The encoded transmembrane protein is characterized by a type II membrane orientation (has an extracellular C terminus) and the presence of a C-type lectin domain. It binds to a diverse family of ligands that include MHC class I chain-related A and B proteins and UL-16 binding proteins, where ligand-receptor interactions can result in the activation of alternative products. A number of isoforms are produced, function: Receptor for MICA, MICB, ULBP1, ULBP2, ULBP3 (ULBP2 > ULBP1 > ULBP3) and ULBP4. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Involved in the immune surveillance exerted by T- and B-lymphocytes., miscellaneous: Structurally distinct families of ligands for mouse and human NKG2D receptors have been characterized. They might be orthologs., online information: NKG-2D, similarity: Contains 1 C-type lectin domain., subunit: Homodimer. Interacts with DAP10. The interaction with DAP10 is required for NKG2D cell surface expression., tissue specificity: Natural killer cells. Expressed on essentially all CD56+CD3- NK cells from freshly isolated PBMC. Also detected in gamma-delta cells and CD8+ alpha-beta T-cells. Expressed in interferon-producing killer dendritic cells (IKDCs),

研究领域 (Research Area)

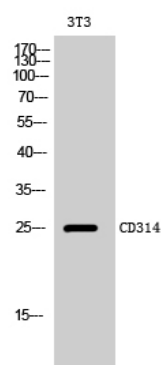
Natural killer cell mediated cytotoxicity;

图片 (Image Data)



Western blot analysis of KLRK1 Antibody. The lane on the right is blocked with the KLRK1 peptide.

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Western Blot analysis of 3T3 cells using CD314 Polyclonal Antibody

注意事项 (Note)

For research use only .