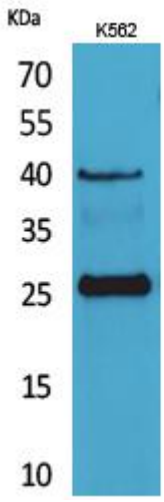
CD161 Polyclonal Antibody

Catalog No	YP-Ab-14006
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	KLRB1
Protein Name	Killer cell lectin-like receptor subfamily B member 1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human KLRB1. AA range:101-150
Specificity	CD161 Polyclonal Antibody detects endogenous levels of CD161 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KLRB1; CLEC5B; NKRP1A; Killer cell lectin-like receptor subfamily B member 1; C-type lectin domain family 5 member B; HNKR-P1a; NKR-P1A; Natural killer cell surface protein P1A; CD161
Observed Band	25kD
Cell Pathway	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.
Function	function:Plays an inhibitory role on natural killer (NK) cells cytotoxicity. Activation results in specific acid sphingomyelinase/SMPD1 stimulation with subsequent marked elevation of intracellular ceramide. Activation also leads to AKT1/PKB and RPS6KA1/RSK1 kinases stimulation as well as markedly enhanced T-cell proliferation induced by anti-CD3. Acts as a lectin that binds to the terminal carbohydrate Gal-alpha(1,3)Gal epitope as well as to the N-acetyllactosamine epitope. Binds also to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.,induction:By IL12 in NK cells.,online information:NKRP1,PTM:N-glycosylated. Contains sialic acid residues.,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer; disulfide-linked. Interacts with acid sphingomyelinase/SMPD1.,tissue

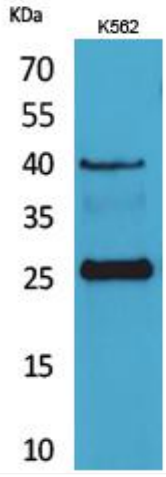
specificity:Expressed in a subset of NK cells

Background	Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of K562 cells using CD161 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from K562 cells, using KLRB1 Antibody.