10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

CD161 Polyclonal Antibody
Catalog # AP73459

Specification

CD161 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q12918
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

CD161 Polyclonal Antibody - Additional Information

Gene ID 3820

Other Names
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

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

CD161 Polyclonal Antibody - Protein Information

Name KLRB1

Synonyms CLEC5B, NKRP1A

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. Also binds to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.

Cellular Location
Membrane; Single-pass type II membrane protein

Tissue Location
Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in

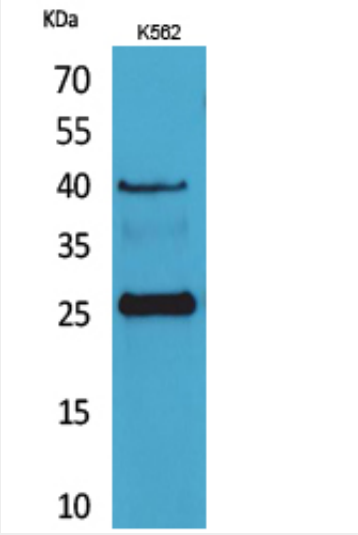
peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype

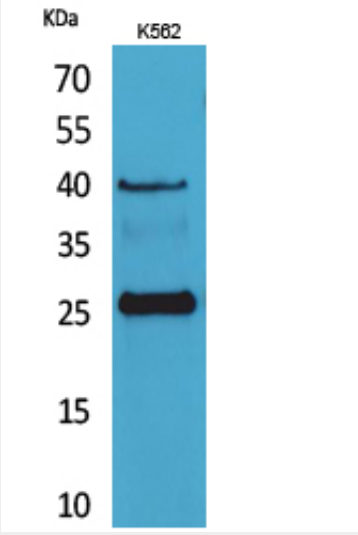
CD161 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD161 Polyclonal Antibody - Images





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CD161 Polyclonal Antibody - Background

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