

CLEC2B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4770c

Specification

CLEC2B Antibody (Center) - Product Information

WB, FC, E Application **Primary Accession** 092478 Reactivity Human **Rabbit** Host Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 17307 Antigen Region 59-86

CLEC2B Antibody (Center) - Additional Information

Gene ID 9976

Other Names

C-type lectin domain family 2 member B, Activation-induced C-type lectin, C-type lectin superfamily member 2, IFN-alpha-2b-inducing-related protein 1, CLEC2B, AICL, CLECSF2, IFNRG1

Target/Specificity

This CLEC2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-86 amino acids from the Central region of human CLEC2B.

Dilution

WB~~1:1000 FC~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLEC2B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CLEC2B Antibody (Center) - Protein Information

Name CLEC2B



Synonyms AICL, CLECSF2, IFNRG1

Function Membrane-bound protein expressed on myeloid cells which acts as a ligand to stimulate the activating receptor NKp80/KLRF1, expressed on the surface of natural killer (NK) cells. In turn, stimulates NK- cell cytotoxicity and cytokine production leading to the cytolysis of malignant CLEC2B-expressing myeloid cells.

Cellular Location

Cell membrane; Single-pass type II membrane protein. Golgi apparatus membrane Note=Resting NK cells contain intracellular stores of CLEC2B associated with the Golgi complex.

Tissue Location

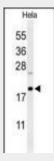
Expressed preferentially in lymphoid tissues, and in most hematopoietic cell types

CLEC2B Antibody (Center) - Protocols

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

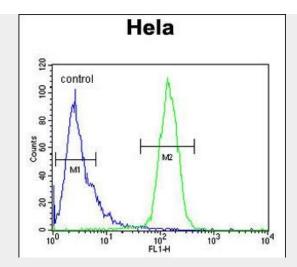
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CLEC2B Antibody (Center) - Images



Western blot analysis of CLEC2B Antibody (Center) (Cat. #AP4770c) in Hela cell line lysates (35ug/lane). CLEC2B (arrow) was detected using the purified Pab.





CLEC2B Antibody (Center) (Cat. #AP4770c) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CLEC2B Antibody (Center) - Background

CLEC2B encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may function as a cell activation antigen.

CLEC2B Antibody (Center) - References

Kuttruff, S., et al. Blood 113(2):358-369(2009) Ebner, S., et al. Proteins 53(1):44-55(2003) Renedo, M., et al. Genomics 65(2):129-136(2000)