

CLEC2B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP4770c

Product Information

Application	WB, FC, E
Primary Accession	Q92478
Reactivity	Human
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25715
Calculated MW	17307
Antigen Region	59-86

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~~1:500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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

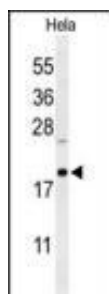
Background

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.

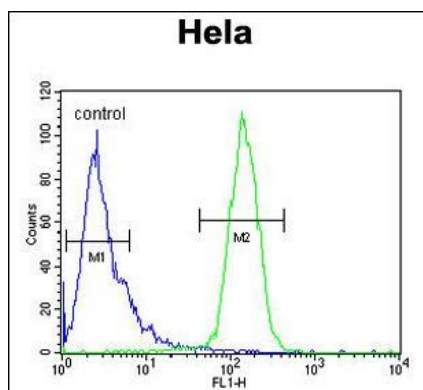
References

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)

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.