

DCL-1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6522c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8IX05
Reactivity	Human, Mouse
Predicted	Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19594
Calculated MW	26183
Antigen Region	143-170

Additional Information

Gene ID	9936
Other Names	CD302 antigen, C-type lectin BIMLEC, C-type lectin domain family 13 member A, DEC205-associated C-type lectin 1, Type I transmembrane C-type lectin receptor DCL-1, CD302, CD302, CLEC13A, DCL1, KIAA0022
Target/Specificity	This DCL-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-170 amino acids from the Central region of human DCL-1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	DCL-1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CD302
Synonyms	CLEC13A, DCL1, KIAA0022

Function	Multifunctional C-type lectin receptor involved in endocytosis, phagocytosis and regulation of cell adhesion and migration (PubMed: 17947679 , PubMed: 27316686). Plays a critical role in guiding dendritic cells to lymph nodes (PubMed: 27316686). Also functions as a restriction factor for Hepatitis C virus (HCV) at the liver cell surface, likely by inhibiting a viral cell entry step (PubMed: 35297672).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, filopodium. Cytoplasm, cell cortex. Cell projection, microvillus. Note=Colocalizes with F-actin in filopodia, cellular cortex and microvilli of the apical cell surface
Tissue Location	Expressed at moderate levels in monocytes, myeloid blood dendritic cells and granulocytes and at low levels in plasmacytoid blood dendritic cells, monocyte-derived macrophages and monocyte-derived dendritic cells, with no expression detected in T- lymphocytes, B-lymphocytes and natural killer cells (at protein level) Expressed widely in different tissues, with highest expression levels in liver, lung, peripheral blood leukocytes and spleen, and lowest levels in neuronal tissues, skeletal muscle and ovary. Isoform 2 and isoform 3 are expressed in malignant Hodgkin lymphoma cells called Hodgkin and Reed-Sternberg (HRS) cells.

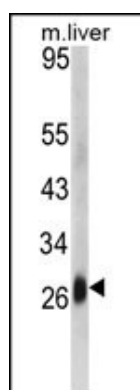
Background

CD302 is a C-type lectin receptor involved in cell adhesion and migration, as well as endocytosis and phagocytosis.

References

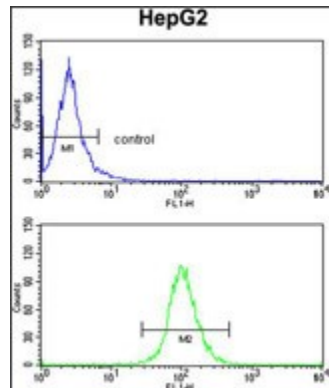
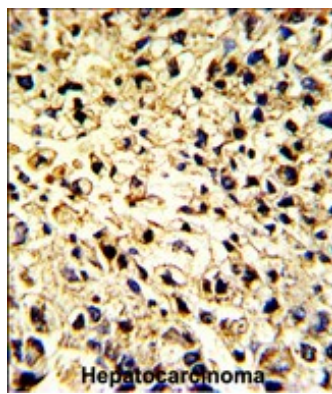
Kato,M., J. Immunol. 179 (9), 6052-6063 (2007)

Images



Western blot analysis of DCL-1 Antibody (Center) (Cat. #AP6522c) in mouse liver tissue lysates (35ug/lane). DCL-1 (arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human hepatocarcinoma with DCL-1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DCL-1 Antibody (Center) (Cat.#AP6522c) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top 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'.