

For Research Use Only

CLEC2/CLEC1B Polyclonal antibody



Catalog Number: 12814-1-AP

1 Publications

Basic Information

Catalog Number: 12814-1-AP	GenBank Accession Number: BC029554	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 µg/ml by Nanodrop;	GeneID (NCBI): 51266	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: C-type lectin domain family 1, member B	
Isotype: IgG	Calculated MW: 27 kDa	
Immunogen Catalog Number: AG3512	Observed MW: 32-38 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human peripheral blood platelets,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	

Background Information

C-type lectin-like receptor 2 (CLEC2, also known as CLEC1B) is a type II transmembrane receptor of the C-type lectin superfamily, which are characterized by one or more C-type lectin-like domains (CTLDs) (PMID: 10671229; 34177942). CLEC2 contains a single YXXL/hemi-ITAM (immuno-receptor tyrosine-based activation motif) within its cytoplasmic domain. CLEC-2 is highly expressed on platelets and megakaryocytes and at low levels on other hematopoietic cells, including dendritic cells, neutrophils, monocytes, and macrophages (PMID: 21728173). The first identified ligand for CLEC2 was the platelet-aggregating snake venom protein rhodocytin, and podoplanin has been established as an endogenous ligand for CLEC2 (PMID: 26151067). CLEC2 is involved in thrombosis/hemostasis, tumor metastasis, and lymphangiogenesis (PMID: 20525685). CLEC2 can be glycosylated and has been detected as 32- and 40-kDa forms in platelets with varying degrees of glycosylation (PMID: 16174766; 25150298; 21781241).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoliang Liang	35734199	Int J Gen Med	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 12814-1-AP (CLEC2/CLEC1B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.