

For Research Use Only

CLEC2/CLEC1B Polyclonal antibody

Catalog Number: 34093-1-AP



Basic Information

Catalog Number: 34093-1-AP	GenBank Accession Number: NM_019985.3	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 56760	Recommended Dilutions: WB: 1:500-1:1000
Isotype: IgG	UNIPROT ID: Q9JL99-1	
Immunogen Catalog Number: EG7521	Full Name: C-type lectin domain family 1, member b	
	Calculated MW: 26 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse lung tissue,
Species Specificity: mouse	

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).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

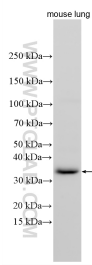
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34093-1-AP (CLEC2/CLEC1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.