

For Research Use Only

# CLEC2/CLEC1B Polyclonal antibody



Catalog Number: 12814-1-AP **1 Publications**

## Basic Information

<b>Catalog Number:</b> 12814-1-AP	<b>GenBank Accession Number:</b> BC029554	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150 µg/ml	<b>GeneID (NCBI):</b> 51266	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9P126	
<b>Isotype:</b> IgG	<b>Full Name:</b> C-type lectin domain family 1, member B	
<b>Immunogen Catalog Number:</b> AG3512	<b>Calculated MW:</b> 27 kDa	
	<b>Observed MW:</b> 32-38 kDa	

## Applications

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

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.