

For Research Use Only

# CLEC2/CLEC1B Polyclonal antibody

Catalog Number: 12814-1-AP

2 Publications



## Basic Information

Catalog Number:

12814-1-AP

Size:

150 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3512

GenBank Accession Number:

BC029554

GeneID (NCBI):

51266

UNIPROT ID:

Q9P126

Full Name:

C-type lectin domain family 1, member B

Calculated MW:

27 kDa

Observed MW:

32-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human peripheral blood platelets,

## 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
Wei Jiang	39148004	EMBO Mol Med	

## 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:

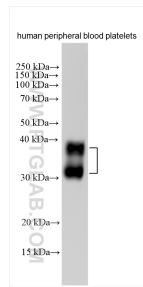
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.