#### For Research Use Only

# CLEC2/CLEC1B Polyclonal antibody

Catalog Number: 12814-1-AP

1 Publications



**Purification Method:** 

WB 1:1000-1:6000

Antigen affinity purification

Recommended Dilutions:

**Basic Information** 

Catalog Number: 12814-1-AP Size: 150 μg/ml

Rabbit Isotype:

Source:

Immunogen Catalog Number:

AG3512

Observed MW: 32-38 kDa

GenBank Accession Number:

C-type lectin domain family 1,

BC029554

51266

Q9P126 Full Name:

member B

Calculated MW: 27 kDa

GeneID (NCBI):

**UNIPROT ID:** 

**Applications** 

**Tested Applications:** WB, ELISA

**Cited Applications:** 

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 (PMD: 16174766; 25150298; 21781241).

#### **Notable Publications**

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

Storage

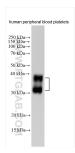
Storage:

Store at -20°C. Stable for one year after shipment.

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

### Selected Validation Data



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