

# Goat Anti-CLEC2 / CLEC1B Antibody

Peptide-affinity purified goat antibody Catalog # AF1248a

## **Specification**

## Goat Anti-CLEC2 / CLEC1B Antibody - Product Information

Application WB

Primary Accession Q9P126
Other Accession NP\_057593, 51266

Reactivity
Host
Clonality
Concentration

Human
Goat
Polyclonal
100ug/200ul

Isotype IgG
Calculated MW 26596

## Goat Anti-CLEC2 / CLEC1B Antibody - Additional Information

#### **Gene ID 51266**

### **Other Names**

C-type lectin domain family 1 member B, C-type lectin-like receptor 2, CLEC-2, CLEC1B, CLEC2

### **Format**

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

## **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

Goat Anti-CLEC2 / CLEC1B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Goat Anti-CLEC2 / CLEC1B Antibody - Protein Information**

### Name CLEC1B

## **Synonyms CLEC2**

### **Function**

C-type lectin-like receptor that functions as a platelet receptor for the lymphatic endothelial marker, PDPN (PubMed:<a href="http://www.uniprot.org/citations/18215137" target="\_blank">18215137</a>). After ligand activation, signals via sequential activation of SRC and SYK tyrosine kinases leading to activation of PLCG2 (PubMed:<a href="http://www.uniprot.org/citations/18955485" target="\_blank">18955485</a>).



**Cellular Location** 

Membrane; Single-pass type II membrane protein

#### **Tissue Location**

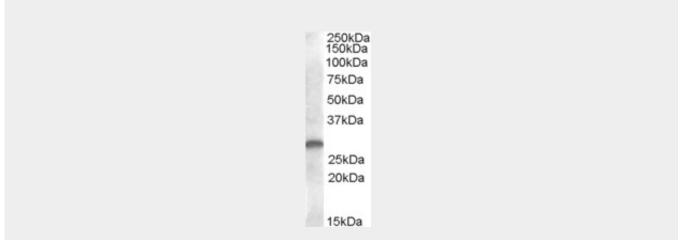
Expressed preferentially in the liver. Also expressed in immune cells of myeloid origin and on the surface of platelets.

## Goat Anti-CLEC2 / CLEC1B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Goat Anti-CLEC2 / CLEC1B Antibody - Images



AF1248a (1  $\mu$ g/ml) staining of human kidney lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-CLEC2 / CLEC1B Antibody - Background

Natural killer (NK) cells express multiple calcium-dependent (C-type) lectin-like receptors, such as CD94 (KLRD1; MIM 602894) and NKG2D (KLRC4; MIM 602893), that interact with major histocompatibility complex class I molecules and either inhibit or activate cytotoxicity and cytokine secretion. CLEC2 is a C-type lectin-like receptor expressed in myeloid cells and NK cells.

## Goat Anti-CLEC2 / CLEC1B Antibody - References

Genome-wide searching of rare genetic variants in WTCCC data. Feng T, et al. Hum Genet, 2010 Sep. PMID 20549515.

Incorporation of podoplanin into HIV released from HEK-293T cells, but not PBMC, is required for efficient binding to the attachment factor CLEC-2. Chaipan C, et al. Retrovirology, 2010 May 19. PMID 20482880.

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.







CLEC-2 activates Syk through dimerization. Hughes CE, et al. Blood, 2010 Apr 8. PMID 20154219. Phosphorylation of CLEC-2 is dependent on lipid rafts, actin polymerization, secondary mediators, and Rac. Pollitt AY, et al. Blood, 2010 Apr 8. PMID 20154214.