

Goat Anti-CLEC2 / CLEC1B Antibody
Peptide-affinity purified goat antibody
Catalog # AF1248a

Specification

Goat Anti-CLEC2 / CLEC1B Antibody - Product Information

Application	WB
Primary Accession	O9P126
Other Accession	NP_057593 , 51266
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	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 IgG/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: [18215137](http://www.uniprot.org/citations/18215137)). After ligand activation, signals via sequential activation of SRC and SYK tyrosine kinases leading to activation of PLCG2 (PubMed: [18955485](http://www.uniprot.org/citations/18955485)).

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-CLEC2 / CLEC1B Antibody - Images

AF1248a (1 µg/ml) staining of human kidney lysate (35 µg 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.