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# CLEC1B Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22306a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q9P126 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB57434 |
| **Calculated MW** | 26596 |

## Additional Information

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|---|---|
| **Gene ID** | 51266 |
| **Other Names** | C-type lectin domain family 1 member B, C-type lectin-like receptor 2, CLEC-2, CLEC1B, CLEC2 |
| **Target/Specificity** | This CLEC1B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 44-78 amino acids from the human region of human CLEC1B. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CLEC1B Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CLEC1B |
| **Synonyms** | CLEC2 |
| **Function** | C-type lectin-like receptor that serves as a platelet receptor for the lymphatic endothelial marker PDPN (PubMed:18215137). Plays an essential role in blood/lymphatic vessel separation and thrombus formation through |

homophilic association (PubMed:22556408). Acts as a negative regulator of lymphatic endothelial cell behavior by inhibiting proliferation, migration, and tube formation (PubMed:22556408). Upon ligand binding, triggers a signaling cascade via sequential activation of SRC and SYK tyrosine kinases, leading to activation of PLCG2 (PubMed:18955485). Through this pathway, mediates platelet adhesion, aggregation, and secretion in response to PDPN- expressing cells. During embryonic development, plays a central role in cerebrovascular formation and blood/lymphatic vessel separation. Interacts with PDPN on neuroepithelial cells to promote platelet activation, thereby ensuring maturation and integrity of cerebrovascular structures and preventing hemorrhage.

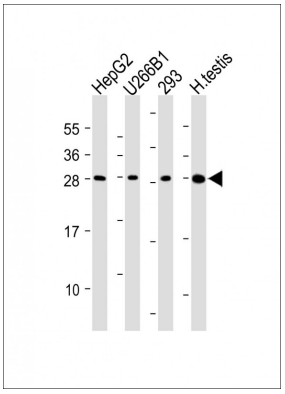
**Cellular Location** Membrane; Single-pass type II membrane protein

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

## References


Colonna M.,et al.Eur. J. Immunol. 30:697-704(2000).
Chaipan C.,et al.J. Virol. 80:8951-8960(2006).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Scherer S.E.,et al.Nature 440:346-351(2006).
Suzuki-Inoue K.,et al.Blood 107:542-549(2006).


## Images




All lanes : Anti-CLEC1B Antibody (N-Term) at dilution Lane 1: HepG2 whole cell lysate Lane 2: U266B1 whole cell lysate Lane 3: 293 whole cell lysate Lane 4: Human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27kDa Blocking/Dilution buffer: 5% NFDM/TBST.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.