

# CLEC1B Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22306a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q9P126</a>
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: <a href="#">18215137</a> ). 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

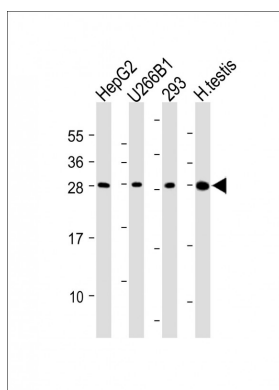
#### Tissue Location

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'.