

CLEC1B Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22306a

Product Information

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

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
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

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).

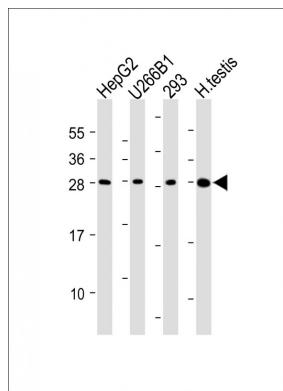
Chaipan C.,et al.J. Virol. 80:8951-8960(2006).

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'.