

Anti-PECAM1 antibody (630-738) [S2MR] (STJ11101552)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

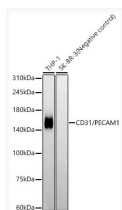
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:2000-1:10000 IHC-P:1:500-1:2000 IF/CC:1:200-1:600 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 0.05% BSA, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 83kDa Observed Mw: 135kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

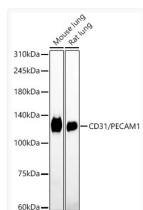
Gene ID	5175
Gene Symbol	PECAM1
UniProt ID	PECA1_HUMAN
Immunogen Region	630-738
Immunogen Sequence	AKQMPVEMSRPAVPLLNNSNN EKMSDPNMEANSHYGHNDV RNHAMKPINDNKEPLNSDVQ YTEVQVSSAESHKDLGKKT ETVYSEVRKAVPDAVESRYS RTEGSLDGT
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 630-738 of CD31/PECAM1 (NP_000433.4).

ADDITIONAL INFORMATION

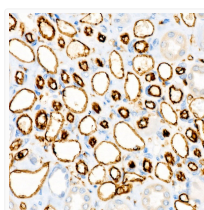
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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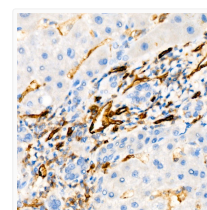
Western blot analysis of various lysates, using CD31/PECAM1 (STJ11101552) at 1:12500 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



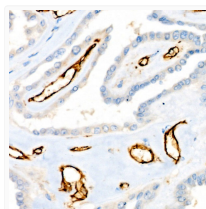
Western blot analysis of various lysates, using CD31/PECAM1 (STJ11101552) at 1:12500 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.



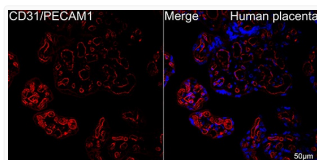
Immunohistochemistry analysis of paraffin-embedded human kidney using CD31/PECAM1 rabbit monoclonal antibody (STJ11101552) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



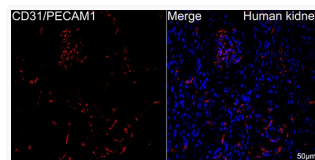
Immunohistochemistry analysis of paraffin-embedded human liver using CD31/PECAM1 rabbit monoclonal antibody (STJ11101552) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human thyroid using CD31/PECAM1 rabbit monoclonal antibody (STJ11101552) at dilution of 1:2000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Confocal imaging of paraffin-embedded human placenta using CD31/PECAM1 rabbit monoclonal antibody (STJ11101552, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded human kidney using CD31/PECAM1 rabbit monoclonal antibody (STJ11101552, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.