

A19014

Leader in Biomolecular Solutions for Life Science



CD31/PECAM1 Rabbit mAb

Catalog No.: A19014

Recombinant

16 Publications

Basic Information

Observed MW

135kDa

Calculated MW

83kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50362

Background

The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.

Recommended Dilutions

WB	1:2000 - 1:10000
IHC-P	1:500 - 1:1000
IF/ICC	1:100 - 1:500

Immunogen Information

Gene ID

5175

Swiss Prot

P16284

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 630-738 of CD31/PECAM1 (NP_000433.4).

Synonyms

CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM; CD31/PECAM1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

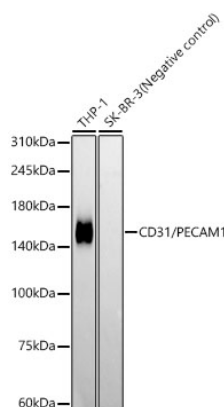
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

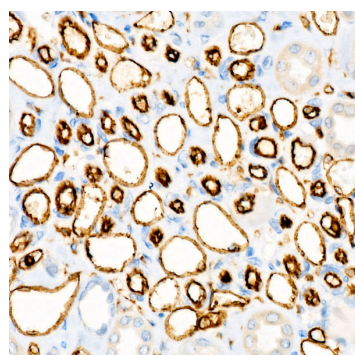
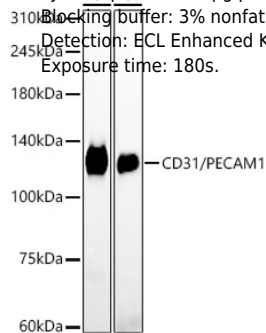
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data

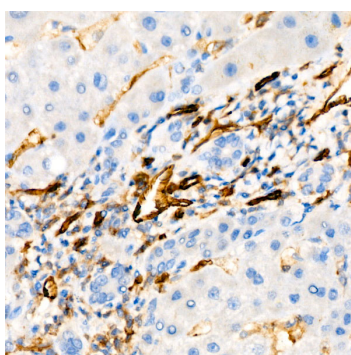


Western blot analysis of various lysates, using CD31/PECAM1 (A19014) at 1:12500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

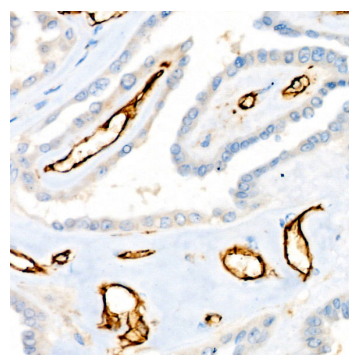
Western blot analysis of various lysates, using CD31/PECAM1 (A19014) at 1:12500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.



Immunohistochemistry analysis of CD31/PECAM1 in paraffin-embedded human kidney using CD31/PECAM1 Rabbit mAb (A19014) at dilution of 1:600 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

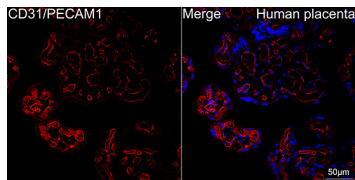


Immunohistochemistry analysis of CD31/PECAM1 in paraffin-embedded human liver using CD31/PECAM1 Rabbit mAb (A19014) at dilution of 1:600 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

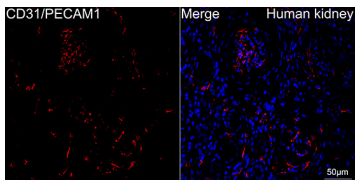


Immunohistochemistry analysis of CD31/PECAM1 in paraffin-embedded human thyroid using CD31/PECAM1 Rabbit mAb (A19014) at dilution of 1:600 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Validation Data



Confocal imaging of paraffin-embedded human placenta using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, 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 mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, 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.