

PECAM1 Rabbit mAb

Catalog No.: A29233 **Recombinant**

Basic Information

Observed MW

135 kDa

Calculated MW

70-81 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-F,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC3954

Background

Predicted to enable protein homodimerization activity; protein phosphatase binding activity; and transmembrane signaling receptor activity. Acts upstream of or within several processes, including Rho protein signal transduction; endothelial cell morphogenesis; and positive regulation of tyrosine phosphorylation of STAT protein. Located in several cellular components, including cell-cell contact zone; external side of plasma membrane; and smooth muscle contractile fiber. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; extraembryonic component; and genitourinary system. Human ortholog(s) of this gene implicated in coronary artery disease; coronary stenosis; myocardial infarction; neuroblastoma; and psoriatic arthritis. Orthologous to human PECAM1 (platelet and endothelial cell adhesion molecule 1).

Recommended Dilutions

WB 1:4000 - 1:10000**IF/ICC** 1:1000 - 1:4000**IF-F** 1:1000 - 1:4000**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

18613

Swiss Prot

Q08481

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Cd31; Pecam; PECAM-1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

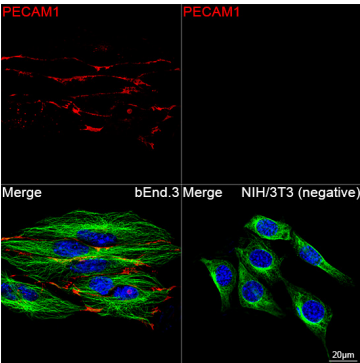
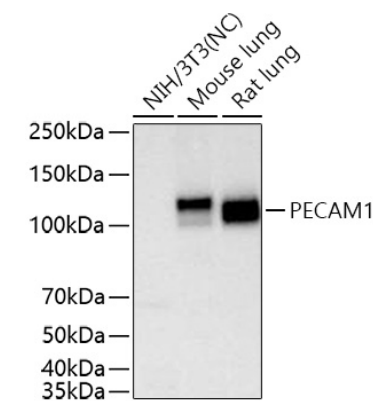
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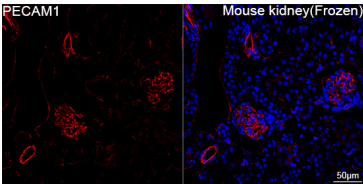


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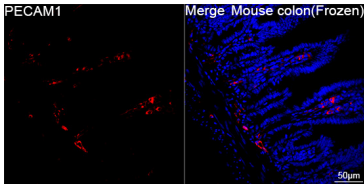
Validation Data



Confocal imaging of bEnd.3 cells and NIH/3T3 cells (negative) using PECAM1 Rabbit mAb (A29233, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of frozen sections of Mouse kidney tissue using PECAM1 Rabbit mAb (A29233, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Mouse colon tissue using PECAM1 Rabbit mAb (A29233, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.