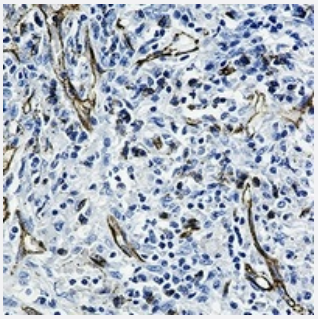
RecomAb™

PECAM1 recombinant monoclonal antibody

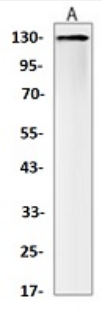
Catalog # RAB02481 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using CD31 recombinant monoclonal antibody (Cat # RAB02481). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.77). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blot (Cell lysate)

Western blot analysis of Jurkat (A) whole cell lysates with CD31 recombinant monoclonal antibody (Cat # RAB02481).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PECAM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human CD31.
Theoretical MW (kDa)	130
Reactivity	Human

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Specificity	Recognizes endogenous levels of CD31 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Western Blot (Cell lysate)

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Gene Info — PECAM1

Entrez GeneID	5175
Protein Accession#	P16284
Gene Name	PECAM1
Gene Alias	CD31, PECAM-1
Gene Description	platelet/endothelial cell adhesion molecule

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Omim ID	173445
Gene Ontology	Hyperlink
Gene Summary	CD31/EndoCAM|adhesion molecule
Other Designations	CD31 antigen|CD31/EndoCAM|PECAM-1, CD31/EndoCAM|adhesion molecule

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration

Disease

- Acute Disease
- Angina Pectoris
- Arteriosclerosis
- Asthma
- Astrocytoma
- Atherosclerosis
- Brain Ischemia
- Bronchiolitis
- Cadaver
- Cerebral Hemorrhage
- Chorioamnionitis
- Cicatrix
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Diabetes Mellitus

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- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Fetal Membranes
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hematologic Diseases
- Hematologic Neoplasms
- Hypercholesterolemia
- Hypertension
- Infant
- Infection
- Inflammation
- Intracranial Hemorrhages
- Kidney Failure
- Leukemia
- Malaria
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Obesity
- Obstetric Labor
- Osteosarcoma
- Pre-Eclampsia
- Premature Birth

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- Recurrence
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Stroke
- Subarachnoid Hemorrhage
- Syndrome
- Urinary Tract Infections
- Venous Thrombosis
- Werner syndrome

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