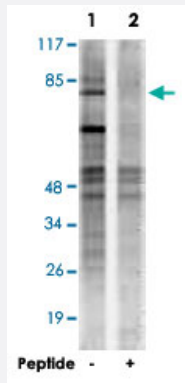


PECAM1 polyclonal antibody

Catalog # PAB18207 Size 100 ug

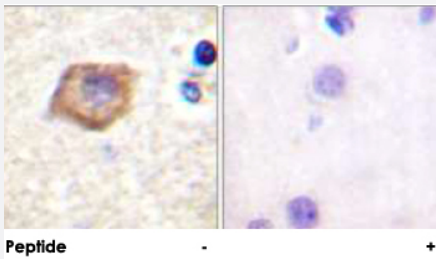
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using PECAM1 polyclonal antibody (Cat # PAB18207).

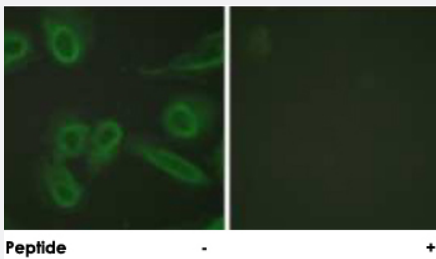
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PECAM1 polyclonal antibody (Cat # PAB18207).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PECAM1 polyclonal antibody (Cat # PAB18207).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of PECAM1.

Immunogen	A synthetic peptide corresponding to residues surrounding Y713 of human PECAM1.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to PECAM1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using PECAM1 polyclonal antibody (Cat # PAB18207).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using PECAM1 polyclonal antibody (Cat # PAB18207).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PECAM1 polyclonal antibody (Cat # PAB18207).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PECAM1

Entrez GeneID	5175
Protein Accession#	P16284
Gene Name	PECAM1
Gene Alias	CD31, PECAM-1
Gene Description	platelet/endothelial cell adhesion molecule
Omim ID	173445
Gene Ontology	Hyperlink
Gene Summary	CD31/EndoCAM adhesion molecule
Other Designations	CD31 antigen CD31/EndoCAM PECAM-1, CD31/EndoCAM adhesion molecule

Publication Reference

- [Overlapping and distinct biological effects of IL-6 classic and trans-signaling in vascular endothelial cells.](#)

Ashani Montgomery, Franklin Tam, Chris Gursche, Catherine Cheneval, Katrina Besler, Winnie Enns, Sukhbir Manku, Kevin Rey, Paul J Hanson, Stefan Rose-John, Bruce M McManus, Jonathan C Choy.

American Journal of Physiology. Cell Physiology 2021 Apr; 320(4):C554.

Application: IHC-P, Human, Mouse, Human coronary artery samples, Mouse allograft arteries

- [PECAM-1 shedding during apoptosis generates a membrane-anchored truncated molecule with unique signaling characteristics.](#)

Ilan N, Mohsenin A, Cheung L, Madri JA.

FASEB Journal 2001 Feb; 15(2):362.

Application: Flow Cyt, IP, WB-Ce, WB-Tr, Human, Mouse, EOMA, 293T, BAEC, Scp2, SW480 cells

- [Integrin activation by regulated dimerization and oligomerization of platelet endothelial cell adhesion molecule \(PECAM\)-1 from within the cell.](#)

Zhao T, Newman PJ.

The Journal of Cell Biology 2001 Jan; 152(1):65.

Application: IF, WB-Ce, WB-Tr, Human, HEL, HEK 293 cells

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](#)
- [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](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Urinary Tract Infections](#)

- [Venous Thrombosis](#)
- [Werner syndrome](#)