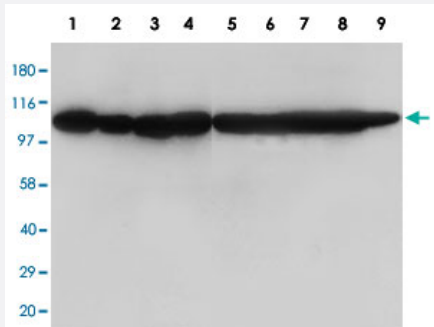


CD34 polyclonal antibody

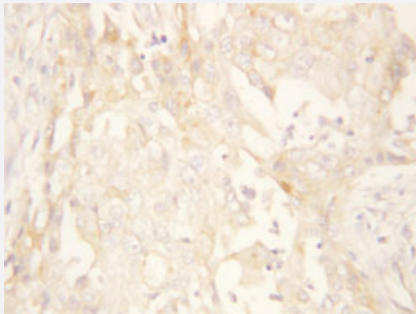
Catalog # PAB18289 Size 100 ug

Applications



Western Blot

Western blot analysis with CD34 polyclonal antibody (Cat # PAB18289).
 1 : Rat heart tissue lysate. 2 : Rat brain tissue lysate. 3 : Rat kidney tissue lysate. 4 : Rat lung tissue lysate. 5 : MCF-7 whole cell lysate. 6 : HeLa whole cell lysate. 7 : MM453 whole cell lysate. 8 : MM231 whole cell lysate. 9 : COLO 320 whole cell lysate.



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

Immunohistochemical staining of paraffin-embedded human mammary cancer with CD34 polyclonal antibody (Cat # PAB18289).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD34.
Immunogen	A synthetic peptide corresponding to human CD34.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Lyophilized
Purification	Immunoaffinity purification
Concentration	0.5 mg/mL

Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1 ug/mL) Immunohistochemistry (Frozen sections)(1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis with CD34 polyclonal antibody (Cat # PAB18289).

1 : Rat heart tissue lysate. 2 : Rat brain tissue lysate. 3 : Rat kidney tissue lysate. 4 : Rat lung tissue lysate. 5 : MCF-7 whole cell lysate. 6 : HeLa whole cell lysate. 7 : MM453 whole cell lysate. 8 : MM231 whole cell lysate. 9 : COLO 320 whole cell lysate.

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

Immunohistochemical staining of paraffin-embedded human mammary cancer with CD34 polyclonal antibody (Cat # PAB18289).

- Immunohistochemistry (Frozen sections)

Gene Info — CD34

Entrez GeneID	947
Gene Name	CD34
Gene Alias	-
Gene Description	CD34 molecule
Omim ID	142230
Gene Ontology	Hyperlink

Gene Summary

CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.[supplied by OMIM]

Other Designations

CD34 antigen|OTTHUMP00000034733|OTTHUMP00000034734|hematopoietic progenitor cell antigen CD34

Publication Reference

- [Sex specific molecular networks and key drivers of Alzheimer's disease.](#)

Lei Guo, Jiqing Cao, Jianwei Hou, Yonghe Li, Min Huang, Li Zhu, Larry Zhang, Yeji Lee, Mariana Lemos Duarte, Xianxiao Zhou, Minghui Wang, Chia-Chen Liu, Yuka Martens, Michael Chao, Alison Goate, Guojun Bu, Vahram Haroutunian, Dongming Cai, Bin Zhang.

Molecular Neurodegeneration 2023 Jun; 18(1):39.

Application: Co-IP, Mouse, Brain

- [The significance of nanofiber polyglycolic acid for promoting tissue repair in a rat subcutaneous implantation model.](#)

Yu Sueyoshi, Atsuko Niwa, Yuki Nishikawa, Noritaka Isogai.

Journal of Biomedical Materials Research. Part B, Applied Biomaterials 2023 Jan; 111(1):16.

Application: IF, Rat, Rat rectus fascia

- [Effects of platelet-rich plasma on mesenchymal stem cells isolated from rat uterus.](#)

Polina Vishnyakova, Daria Artemova, Andrey Elchaninov, Zulfia Efendieva, Inna Apolikhina, Gennady Sukhikh, Timur Fatkhudinov.

PeerJ 2020 Nov; 8:e10415.

Application: Flow Cyt, Rat, Rat mesenchymal cell cultures

- [Yttrium-90 Portal Vein Radioembolization in Sprague-Dawley Rats: Dose-Dependent Imaging and Pathological Changes in Normal Liver.](#)

Andrew C Gordon, Sarah B White, Vanessa L Gates, Weiguo Li, Daniel Procissi, Zhuoli Zhang, Kathleen R Harris, Dong-Hyun Kim, Samdeep K Mouli, Reed A Omary, Riad Salem, Andrew C Larson, Robert J Lewandowski.

Cardiovascular and Interventional Radiology 2020 Dec; 43(12):1925.

Application: IF, Rat, Rat liver

- [Potential Role of Caveolin-1 in Regulating the Function of Endothelial Progenitor Cells from Experimental MODS Model.](#)

Luo T, Shu J, Lu Z, Han T, Fang G, Xue X.

Mediators of Inflammation 2019 Apr; 2019:8297391.

Application: Flow Cyt, Pig, Pig endothelial progenitor cells

- [Involvement of brain-derived neurotrophic factor in exercise-induced cardioprotection of post-myocardial infarction rats.](#)

Wang BL, Jin H, Han XQ, Xia Y, Liu NF.

International Journal of Molecular Medicine 2018 Nov; 42(5):2867.

Application: IHC-P, Rat, Rat hearts

- [Photochemical internalization \(PCI\) of bleomycin is equally effective in two dissimilar leiomyosarcoma xenografts in athymic mice.](#)

Simen Sellevold, Qian Peng, Ane Sofie Viset Fremstedal, Kristian Berg.

Photodiagnosis and Photodynamic Therapy 2017 Dec; 20:95.

Application: IHC-P, Human, MES-SA, SK-LMS-1 tumor

- [In vivo study of alginate hydrogel conglutinating cells to polycaprolactone vascular scaffolds fabricated by electrospinning.](#)

Sun KH, Liu Z, Liu CJ, Yu T, Zhou M, Liu C, Ran F, Pan LJ, Zhang H.

Journal of Biomedical Materials Research. Part B, Applied Biomaterials 2016 Sep; [Epub].

Application: IF, Rat, Rat endothelial progenitor cells

- [Angiopoietin-1 facilitates recovery of hematopoiesis in irradiated mice.](#)

Sun L, Zhang H, Bi L, Shi Y, Xing C, Tang L, Jiang S, Yu K.

American Journal of Translational Research 2016 May; 8(5):2011.

Application: IHC, Mouse, Mouse femur

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)

Disease

- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)

- [Liver Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Viremia](#)