Product Datasheet

CD9 Rabbit mAb

Catalog No: #48625

Package Size: #48625-1 50ul #48625-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

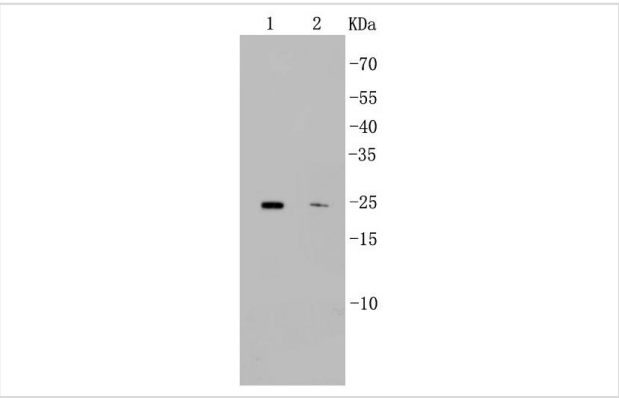
Description

Product Name	CD9 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SA35-08
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Tetraspanin 29 antibody 5H9 antibody 5H9 antigen antibody Antigen defined by monoclonal antibody 602 29 antibody Antigen defined by monoclonal antibody 60229 antibody BA-2/p24 antigen antibody BA2 antibody BTCC 1 antibody BTCC1 antibody CD9 antibody CD9 antigen antibody CD9 antigen p24 antibody CD9 molecule antibody CD9_HUMAN antibody Cell growth inhibiting gene 2 protein antibody Cell growth-inhibiting gene 2 protein antibody DRAP 27 antibody DRAP27 antibody GIG2 antibody Growth inhibiting gene 2 protein antibody Leukocyte antigen MIC3 antibody MIC3 antibody Motility related protein antibody Motility-related protein antibody MRP 1 antibody MRP-1 antibody MRP1 antibody p24 antibody p24 antigen antibody Tetraspanin-29 antibody Tspan 29 antibody Tspan-29 antibody TSPAN29 antibody
Accession No.	Swiss-Prot#:P21926
Calculated MW	25 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

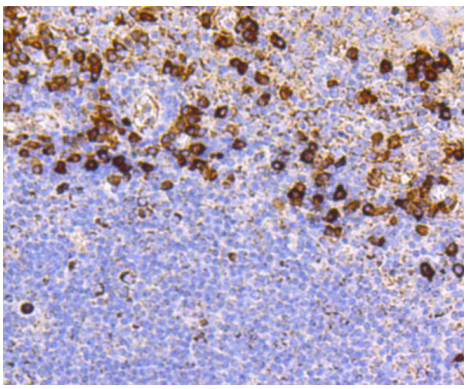
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:20-1:50

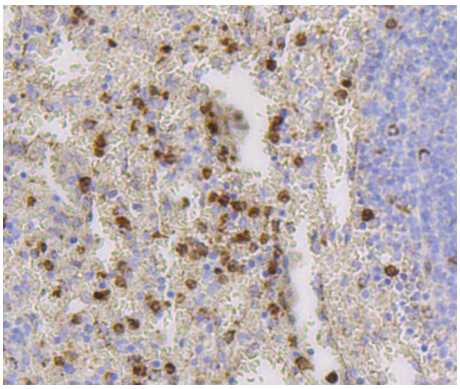
Images



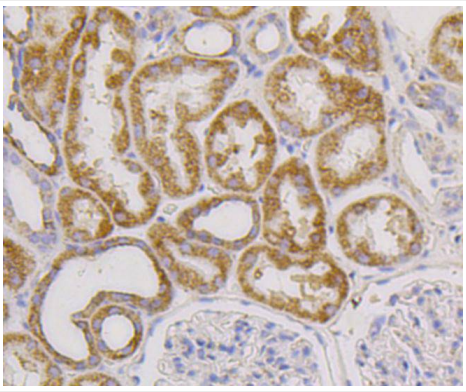
Western blot analysis of CD9 on different lysates using anti-CD9 antibody at 1/500 dilution. Positive control: Lane 1: Mouse heart Lane 2: Jurkat



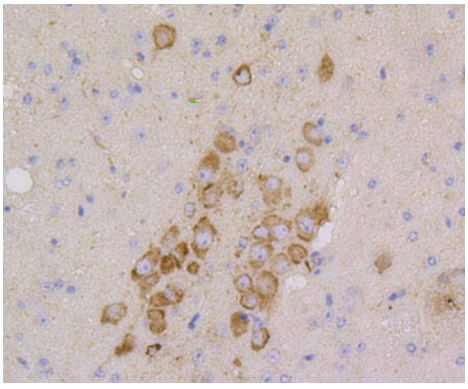
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD9 antibody. Counter stained with hematoxylin.



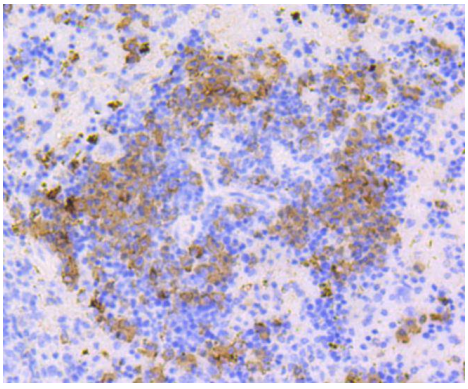
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD9 antibody. Counter stained with hematoxylin.



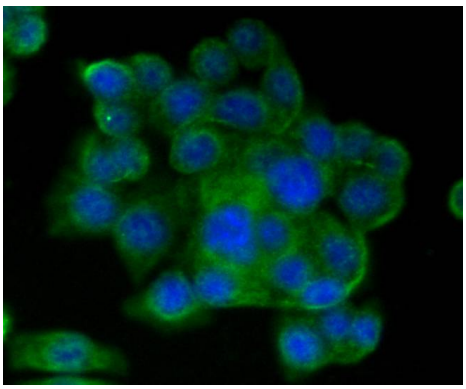
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD9 antibody. Counter stained with hematoxylin.



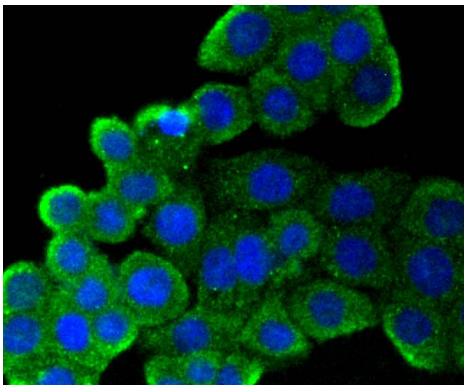
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-CD9 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-CD9 antibody. Counter stained with hematoxylin.



ICC staining CD9 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD9 in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

CD9 is a type IV transmembrane glycoprotein with four transmembrane domains. CD9 on pre-B cells may play a role in cell-cell adhesion. In addition, CD9 may play a role in signal transduction mediated by interaction with low molecular weight GTP-binding proteins. CD9 is expressed on early B cells, eosinophils, basophils and activated T cells and is a major component of the platelet cell surface. It is also expressed on most non-T acute lymphoblastic leukemia cells and on some acute myeloid and chronic lymphoid leukemias.

References

1. Haug, B.H. et al. 2015. Exosome-like Extracellular Vesicles from MYCN-amplified Neuroblastoma Cells Contain Oncogenic miRNAs. Anticancer research. 35: 2521-30. 2. Gallart-Palau, X. et al. 2015. Extracellular vesicles are rapidly purified from human plasma by PRotein Organic Solvent PRecipitation (PROSPR). Scientific reports. 5: 14664.

Published Papers

Zhang Weilin, Liu Kuize, Li Zhencong, Feng Dao, Zhou Boyuan, Zhao Wei, Huang Shengbang, Dai Zhiwen, Liang Jinguo, Chen Siyuan, Wei Yen, Wei Jinsong el at., Polyethylene microplastics transported to nucleus pulposus cells via macrophages-derived exosomes, and promote intervertebral disc degeneration throughB β ¦, Ecotoxicology and Environmental Safety, (2025)

PMID:41175705

Qiu Jiling, Zhao Yifan, Chen Yingyi, Wang Yanxue, Du Juan, Xu Junji, Guo Lijia, Liu Yi el at., Exosomes derived from bone marrow-derived mesenchymal stem cells of exercise-trained mice improve wound healing by inhibiting macrophage M1 polarization, Stem cells (Dayton, Ohio), (2025)

PMID:40498332

Note: This product is for in vitro research use only and is not intended for use in humans or animals.