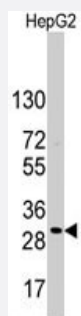


CD9 polyclonal antibody

Catalog # PAB3149

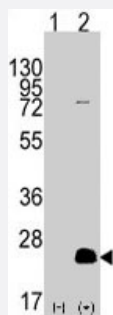
Size 200 uL

Applications



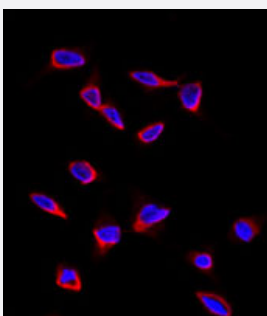
Western Blot (Cell lysate)

Western blot analysis of CD9 polyclonal antibody (Cat # PAB3149) in HepG2 cell line lysates (35 ug/lane). CD9 (arrow) was detected using the purified polyclonal antibody.



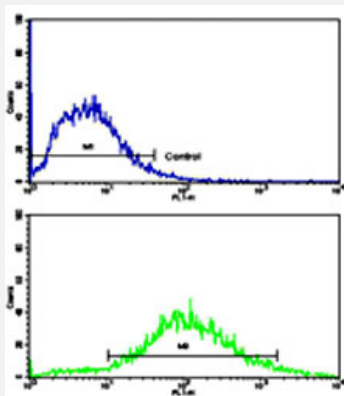
Western Blot (Transfected lysate)

Western blot analysis of CD9 (arrow) using rabbit CD9 polyclonal antibody (Cat # PAB3149). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD9 gene (Lane 2) (Origene Technologies).



Immunofluorescence

Immunofluorescence analysis of CD9 polyclonal antibody (Cat # PAB3149) in HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.



Flow Cytometry

Flow cytometric analysis of Jurkat cells using CD9 polyclonal antibody (Cat # PAB3149)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD9.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human CD9.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) Immunofluorescence (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 CD9 polyclonal antibody (Cat # PAB3149) in HepG2 cell line lysates (35 ug/lane). CD9 (arrow) was detected using the purified polyclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of CD9 (arrow) using rabbit CD9 polyclonal antibody (Cat # PAB3149). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD9 gene (Lane 2) (Origene Technologies).

- Immunofluorescence

Immunofluorescence analysis of CD9 polyclonal antibody (Cat # PAB3149) in HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.

- Flow Cytometry

Flow cytometric analysis of Jurkat cells using CD9 polyclonal antibody (Cat # PAB3149)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — CD9

Entrez GeneID [928](#)

Protein Accession# [NP_001760;P21926](#)

Gene Name CD9

Gene Alias 5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29

Gene Description CD9 molecule

Omim ID [143030](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. [provided by RefSeq]

Other Designations 5H9 antigen|CD9 antigen|CD9 antigen (p24)|OTTHUMP00000041574|OTTHUMP00000041576|antigen defined by monoclonal antibody 602-29|growth-inhibiting gene 2 protein|leukocyte antigen MIC3|motility related protein|motility related protein-1|p24 antigen

Publication Reference

- [The tetraspanin CD9 inhibits the proliferation and tumorigenicity of human colon carcinoma cells.](#)

Ovalle S, Gutierrez-Lopez MD, Olmo N, Turnay J, Lizarbe MA, Majano P, Molina-Jimenez F, Lopez-Cabrera M, Yanez-Mo M, Sanchez-Madrid F, Cabanas C.

International Journal of Cancer 2007 Nov; 121(10):2140.

Application: Flow Cyt, Func, WB-Ti, Human, Mouse, BCS-TC2.2, Colo320, Colo320-CD9, HT29 cells, Mouse tumors

- [The transferrin receptor and the tetraspanin web molecules CD9, CD81, and CD9P-1 are differentially sorted into exosomes after TPA treatment of K562 cells.](#)

Abache T, Le Naour F, Planchon S, Harper F, Boucheix C, Rubinstein E.

Journal of Cellular Biochemistry 2007 Oct; 102(3):650.

Application: Flow Cyt, IF, IP, WB, Human, K-562 cells

- [A novel cysteine cross-linking method reveals a direct association between claudin-1 and tetraspanin CD9.](#)

Kovalenko OV, Yang XH, Hemler ME.

Molecular & Cellular Proteomics 2007 Nov; 6(11):1855.

Application: IF, IP, WB, Human, A431, A-549, C2BBel, MCF-7, MDCK cells

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)