

Rabbit CD9 Polyclonal Antibody | anti-CD9 antibody

CD9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31074	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

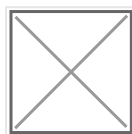
PRODUCT SYNONYMS

CD9; Polyclonal Antibody; CD9 Antibody; Tetraspanin 29; 5H9; 5H9 antigen; Antigen defined by monoclonal antibody 602 29; Antigen defined by monoclonal antibody 60229; BA-2/p24 antigen; BA2; BTCC 1; BTCC1; CD9 antigen; CD9 antigen p24; CD9 molecule; CD9_HUMAN; Cell growth inhibiting gene 2 protein; Cell growth-inhibiting gene 2 protein; DRAP 27; DRAP27; GIG2; Growth inhibiting gene 2 protein; Leukocyte antigen MIC3; MIC3; Motility related protein; Motility-related protein; MRP 1; MRP-1; MRP1; p24; p24 antigen; Tetraspanin-29; Tspan 29; Tspan-29; TSPAN29; anti-CD9 antibody

PRODUCT SPECIFICATIONS

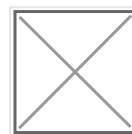
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD9 antibody detects endogenous levels of total CD9
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	159
Applicable Applications for anti-CD9 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 ELISA (peptide): 1:20000-1:40000 The optimal dilution should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human CD9, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using CD9 Antibody.



IHC (Immunohistochemistry)

AAA31074 1/100 staining Human normal tissues adjacent to mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti- Rabbit Ab was used as the secondary Ab.



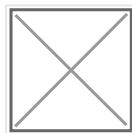
IHC (Immunohistochemistry)

AAA31074 at 1/100 staining human lung carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of CD9 expression in COLO cells, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA31074 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD9 antibody	Description: Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.
References	Xian X, Gong Q, Li C, Guo B, Jiang H; Journal: J Endod. Exosomes with Highly Angiogenic Potential for Possible Use in Pulp Regeneration.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1057867401
NCBI GeneID	928
NCBI Accession #	NP_001317241.1
NCBI GenBank Nucleotide #	NM_001330312.1
UniProt Accession #	P21926; Q5J7W6; Q96ES4; D3DUQ9
Molecular Weight	25 kDa
NCBI Official Full Name	CD9 antigen isoform 2
NCBI Official Synonym Full Names	CD9 molecule
NCBI Official Symbol	CD9
NCBI Official Synonym Symbols	MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29
NCBI Protein Information	CD9 antigen
UniProt Protein Name	CD9 antigen
UniProt Gene Name	CD9
UniProt Synonym Gene Names	MIC3; TSPAN29; MRP-1; Tspan-29

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd9-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31074>