



CD9 Rabbit mAb

Catalog No	YP-rAb-17824
Isotype	IgG
Reactivity	Human,Mouse,Rat,Bovine
Applications	WB,IHC,IF,IP,ELISA
Gene Name	CD9
Protein Name	CD9 antigen
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	CD9 ; MIC3 ; TSPAN29 ; GIG2 ; CD9 antigen ; 5H9 antigen ; Cell growth-inhibiting gene 2 protein ; Leukocyte antigen MIC3 ; Motility-related protein ; MRP-1 ; Tetraspanin-29 ; Tspan-29 ; p24 ; CD antigen CD9
Observed Band	20kD
Calculated Molecular Weight	25kD
Cell Pathway	Membrane
Tissue Specificity	Detected in platelets (at protein level) (PubMed:19640571). Expressed by a variety of hematopoietic and epithelial cells (PubMed:19640571).
Function	Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.,PTM:Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.,similarity:Belongs to the tetraspanin (TM4SF) family.,subunit:Forms both disulfide-linked homodimers and higher homooligomers as well as heterooligomers with other members of the tetraspanin family. Associates with CR2/CD21 and with PTGFRN/CD9P1. Interacts directly with IGSF8.,tissue specificity:Expressed by a variety of hematopoietic and epithelial cells.,





Background

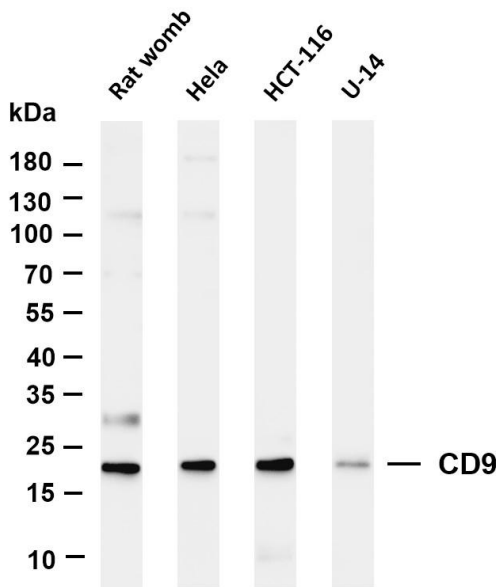
This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011],

matters needing attention

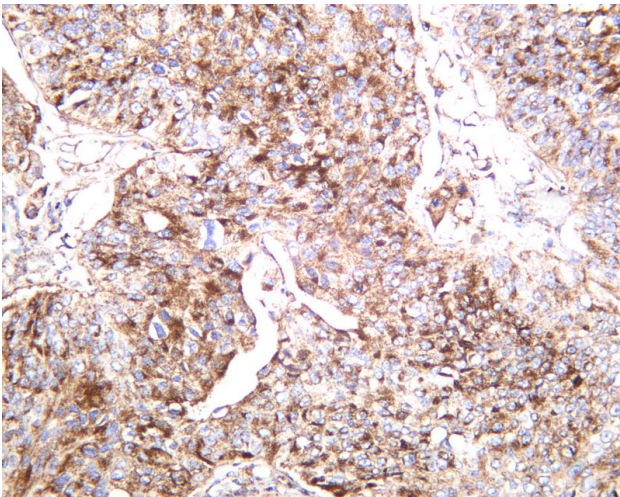
Avoid repeated freezing and thawing!

Usage suggestions

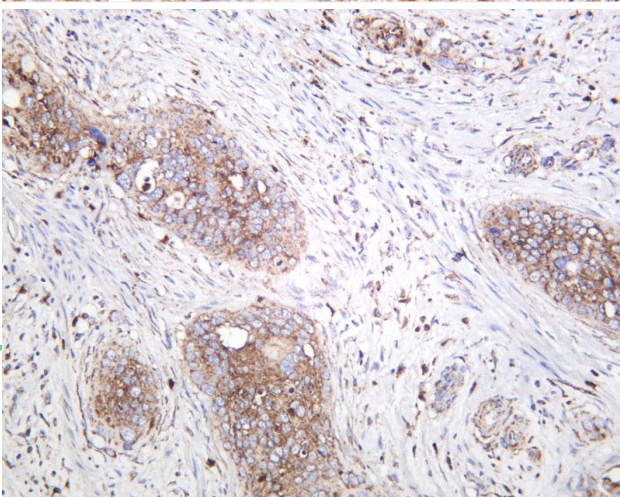
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD9 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat womb Lane 2: HeLa Lane 3: HCT-116 Lane 4: U-14
Predicted band size: 25kDa Observed band size: 20kDa

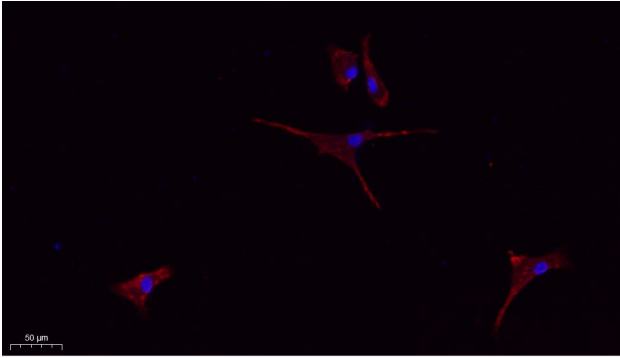


Human bladder carcinoma was stained with anti-CD9 rabbit antibody

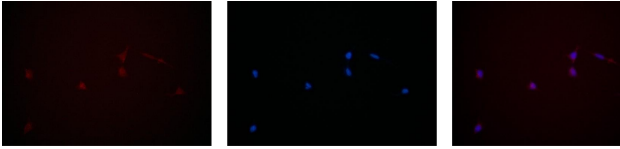


Human cervical carcinoma was stained with anti-CD9 rabbit antibody





Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.



Immunofluorescence analysis of HEK293. Picture A: CD9 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

A

B

C

