



CD9 (ANT0007R) Rabbit mAb

CatalogNo: ANT8334 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 25kD (Calculated)
 - IgG,Kappa
- 25kD (Observed)

Isotype

Recommended Dilution Ratios

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

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0007R

Target Information

Endogenous

Gene nameCD9

Protein NameCD9 antigen

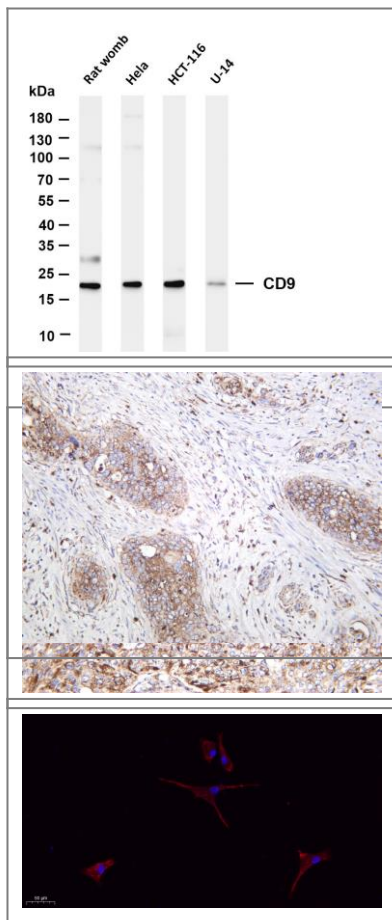
Organism	Gene ID	UniProt ID
Human	928 ;	P21926 ;
Mouse	12527 ;	P40240 ;
Rat	24936 ;	P40241 ;

Cellular
LocalizationMembrane

Tissue specificityDetected in platelets (at protein level) (PubMed:19640571). Expressed by a variety of hematopoietic and epithelial cells (PubMed:19640571).

FunctionFunction:Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for spermeegg fusion.,ANTM: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.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD9 (ANT0007R) antibody. The HRPconjugated 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: 25kDa

Human bladder carcinoma was stained with anti-CD9 (ANT0007R) rabbit antibody
Human cervical carcinoma was stained with anti-CD9 (ANT0007R) 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, Picture B: DAPI(blue) 10min.

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