

Product Name: CD151 Rabbit Polyclonal Antibody**Catalog #: APRab08219**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | IHC, ICC/IF, ELISA |
| Reactivity | Human, Mouse, Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

Dilution Ratio IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

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|--------------------------|---|
| Gene Name | CD151 TSPAN24 |
| Alternative Names | CD151 antigen (GP27; Membrane glycoprotein SFA-1; Platelet-endothelial tetraspan antigen 3; PETA-3; Tetraspanin-24; Tspan-24; CD antigen CD151) |
| Gene ID | 977.0 |
| SwissProt ID | P48509 |
| Immunogen | Synthetic peptide from human protein at AA range: 91-140 |

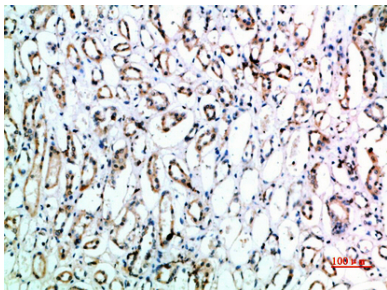
Background

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 is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008],disease:Defects in CD151 are the cause of nephropathy with pretibial epidermolysis bullosa and deafness (NPEBD) [MIM:609057]. NPEBD is characterized by the association of hereditary nephritis, epidermolysis bullosa, deafness, and beta-thalassemia minor.,function:Essential for the proper assembly of the glomerular and tubular basement membranes in kidney.,induction:By HTLV-1.,online information:Blood group antigen gene mutation database,polymorphism:CD151 defines the MER2=RAPH1 antigen of the RAPH blood group system. 92% of Caucasians are MER2-positive and 8% are apparently MER2-negative.,similarity:Belongs to the tetraspanin (TM4SF) family.,subunit:Interacts with integrins alpha3beta1, alpha5beta1, alpha3beta1 and alpha6beta4, with CD9 and CD181.,tissue specificity:Expressed in a variety of tissues including vascular endothelium and epidermis. Expressed on erythroid cells, with a higher level of expression in erythroid precursors than on mature erythrocytes.,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200