SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD151 antibody

Catalog Number: SL22291R

FOR RESEARCH USE ONLY

[DATASHEET]

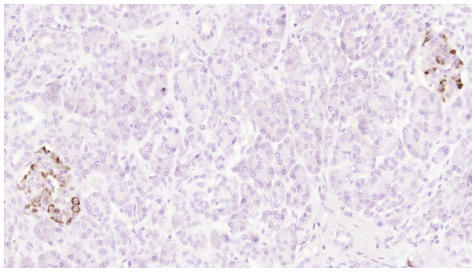
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CD151
Immunogen:	KLH conjugated synthetic peptide derived from mouse CD151: 1-100/253 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat)
Predicted MW.:	28kDa
Subcellular Location:	The cell membrane
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]. **Function:** Essential for the proper assembly of the glomerular and tubular

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	basement membranes in kidney. **Subunit:** Interacts with integrins alpha3beta1, alpha5beta1, alpha3beta1 and alpha6beta4, with CD9 and CD181. **Subcellular Location:** Membrane; Multi-pass membrane protein. **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. DISEASE: Nephropathy with pretibial epidermolysis bullosa and deafness (NPEBD) [MIM:609057]: A disorder characterized by the association of hereditary nephritis, epidermolysis bullosa, deafness, and beta-thalassemia minor. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the tetraspanin (TM4SF) family. **Database links:** **Entrez Gene:** 977 Human Omim: 602243 Human **SwissProt:** P48509 Human **Unigene:** 654379 Human CD151 protein is a member of the transmembrane-4 superfamily (TM4SF) proteins, involved in regulating cell morphology and polarity, promoting cell adhesion and migration, and playing an important role in in vitro angiogenesis; this protein is associated with angiogenesis.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD151) Polyclonal Antibody, Unconjugated (SL22291R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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