



## Rabbit Anti-CD151 antibody

SL22291R

<b>Product Name:</b>	CD151
<b>Chinese Name:</b>	CD151抗体
<b>Alias:</b>	CD151 antigen; CD151 molecule; GP27; Membrane glycoprotein SFA1; MER2; PETA3; Platelet endothelial tetraspan antigen 3; RAPH; SFA 1; SFA1; Tetraspanin24; TSPAN24; CD151_HUMAN; Platelet-endothelial tetraspan antigen 3; PETA-3; Tetraspanin-24; Tspan-24; CD151.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	28kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse CD151:1-100/253<Cytoplasmic>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 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.

**SWISS:**

O35566

**Gene ID:**

12476

**Database links:**

[Entrez Gene: 977](#)Human

[Omim: 602243](#)Human

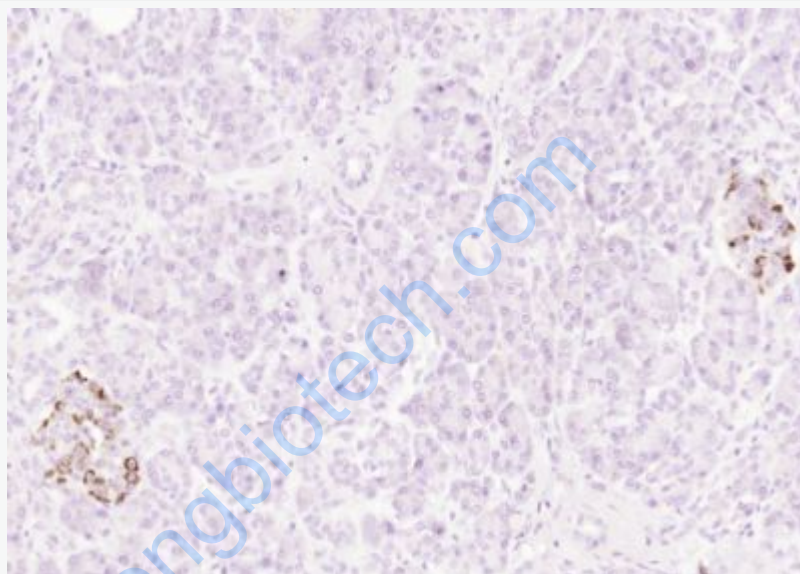
[SwissProt: P48509](#)Human

[Unigene: 654379](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD151蛋白是四跨膜超家族蛋白(transmembrane-4 superfamily, TM4SF)成员, 参与调节细胞的形态和极性、促进细胞黏附和迁移, 并在体外血管形成中发挥着重要作用, 该蛋白与血管新生有关。



**Picture:**

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) instructions and DAB staining.