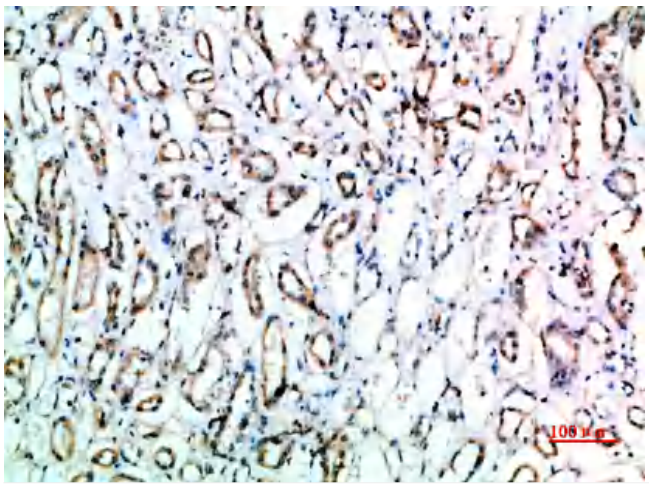
CD151 Polyclonal Antibody

Catalog No	YP-Ab-10670
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	CD151 TSPAN24
Protein Name	CD151 antigen (GP27) (Membrane glycoprotein SFA-1) (Platelet-endothelial tetraspan antigen 3) (PETA-3) (Tetraspanin-24) (Tspan-24) (CD antigen CD151)
Immunogen	Synthetic peptide from human protein at AA range: 91-140
Specificity	The antibody detects endogenous CD151
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD151 antigen (GP27;Membrane glycoprotein SFA-1;Platelet-endothelial tetraspan antigen 3;PETA-3;Tetraspanin-24;Tspan-24;CD antigen CD151)
Observed Band	
Cell Pathway	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.
Function	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

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],
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.

Products Images



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