Best Tools for immunology Research

Collagen V α1 (Cleaved-Ala1605) rabbit pAb

Catalog No :	YC0139
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	COL5A1
Fields :	>>Protein digestion and absorption
Gene Name :	COL5A1
Protein Name :	Collagen V α1 (Cleaved-Ala1605)
Human Gene Id :	1289
Human Swiss Prot No :	P20908
Mouse Gene Id :	12831
Mouse Swiss Prot No :	O88207
Rat Gene Id :	85490
Rat Swiss Prot No :	Q9JI03
Immunogen :	Synthesized peptide derived from human Collagen V α1 (Cleaved-Ala1605)
Specificity :	This antibody detects endogenous levels of Human Collagen V α1 (Cleaved-Ala1605, protein was cleaved amino acid sequence between 1605-1606)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	175 202kD
Background :	disease:Defects in COL5A1 are a cause of Ehlers-Danlos syndrome type 1 (EDS1) [MIM:130000]; also known as Ehlers-Danlos syndrome gravis or severe classic type Ehlers-Danlos syndrome. EDS is a connective tissue disorder characterized by hyperextensible skin, atrophic cutaneous scars due to tissue fragility and joint hyperlaxity. EDS1 is the severe form of classic Ehlers-Danlos syndrome.,disease:Defects in COL5A1 are a cause of Ehlers-Danlos syndrome type 2 (EDS2) [MIM:130010]; also known as Ehlers-Danlos syndrome mitis or mild classic type Ehlers Danlos syndrome.,function:Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.,PTM:Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.,PTM:Sulfated on 40% of tyrosines.,similarity:Belongs to the fibrillar collagen family.,similarity:Contains 1 laminin G-like domain.,similarity:Contains 1 TSP N-terminal (TSPN) domain.,subunit:Trimers of two alpha 1(V) and one alpha 2(V) chains in most tissues and trimers of one alpha 1(V), one alpha 2(V), and one alpha 3(V) chains in placenta. Interacts with CSPG4.,
Function :	blood vessel development, eye development, vasculature development, heart morphogenesis, cell motion, plasma membrane organization, cell adhesion, ectoderm development, sensory organ development, heart development,epidermis development, response to wounding, membrane organization, cell migration, biological adhesion,extracellular matrix organization, collagen fibril organization, collagen metabolic process, collagen biosynthetic process, wound healing, spreading of epidermal cells, wound healing, extracellular structure organization, fibril organization, skin development, multicellular organismal metabolic process, multicellular organismal macromolecule metabolic process, integrin biosynthetic process, eye morphogenesis, cell motility, localization of cell,
Subcellular Location :	Secreted, extracellular space, extracellular matrix .
Sort :	4403
No4 :	1

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