Collagen V α2 (Cleaved-Leu1229) rabbit pAb

Catalog No	YP-Ab-16813
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB; ELISA
Gene Name	COL5A2
Immunogen	Synthesized peptide derived from human Collagen V α2 (Cleaved-Leu1229)
Specificity	This antibody detects endogenous levels of Human Collagen V α2 (Cleaved-Leu1229, protein was cleaved amino acid sequence between 1229-1230)
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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AB collagen;Alpha 1 type V collagen;Alpha 2 type V collagen;CO5A1_HUMAN;COL5A1;Col5A2;COL5A2 protein;Col5A3;Collagen alpha 1(V) chain;Collagen alpha 2 (V) chain precursor;Collagen alpha 2(V) chain;Collagen alpha 3(V) chain;Collagen alpha-1(V) chain;Collagen fetal membrane A polypeptide;Collagen type V alpha 1;Collagen type V alpha 2;Collagen type V alpha 3;Collagen V alpha 2 polypeptide;CollagenV;MGC15115;OTTHUMP64637;Pro alpha 1 type V collagen;Pro alpha 3(V) collagen;Procollagen alpha 2(V);Type V preprocollagen alpha 2 chain;Collagen V α2;Collagen V α2 (Cleaved-Leu1229);Collagen alpha-2(V) chain
Observed Band	145kD
Calculated Molecular Weight	17kDa; 172kD(Calculated).
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	
Function	disease:Defects in COL5A2 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 COL5A2 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.,disease:Genetic variation in COL5A2 is associated with spontaneous cervical artery dissections (sCAD). sCAD are an important cause of stroke among young and middle-aged patients. Ultrastructural abnormalities are observed in skin biopsies of most patients with sCAD. Major findings included enlarged and irregular collagen fibrils
Background	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. [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.

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