

Collagen IV α 2 (Cleaved-Ser1485) rabbit pAb

Catalog No :	YC0143
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	Collagen IV α 2
Fields :	>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Relaxin signaling pathway;>>AGE-RAGE signaling pathway in diabetic complications;>>Protein digestion and absorption;>>Amoebiasis;>>Human papillomavirus infection;>>Pathways in cancer;>>Small cell lung cancer
Gene Name :	COL4A2
Protein Name :	Collagen IV α 2 (Cleaved-Ser1485)
Human Gene Id :	1284
Human Swiss Prot No :	P08572
Mouse Gene Id :	12827
Mouse Swiss Prot No :	P08122
Immunogen :	Synthesized peptide derived from human Collagen IV α 2 (Cleaved-Ser1485)
Specificity :	This antibody detects endogenous levels of Human,Mouse Collagen IV α 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)
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 :	160 190kD
Background :	<p>domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.,PTM:The trimeric structure of the NC1 domains may be stabilized by covalent bonds between Lys and Met residues.,PTM:Type IV collagens contain numerous cysteine residues which are involved in inter- and intramolecular disulfide bonding. 12 of these, located in the NC1 domain, are conserved in all known type IV collagens.,similarity:Belongs to the type IV collagen family.,similarity:Contains 1 collagen IV NC1 (C-terminal non-collagenous) domain.,subunit:There are six type IV collagen isoforms, alpha 1(IV)-alpha 6(IV), each of which can form a triple helix structure with 2 other chains to generate type IV collagen network.,</p>
Function :	negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,
Subcellular Location :	Secreted, extracellular space, extracellular matrix, basement membrane.

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