

**Collagen IV  $\alpha$ 2 (Cleaved-Ser1485) rabbit pAb**

<b>Catalog No :</b>	YC0143
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Collagen IV $\alpha$ 2
<b>Fields :</b>	>>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
<b>Gene Name :</b>	COL4A2
<b>Protein Name :</b>	Collagen IV $\alpha$ 2 (Cleaved-Ser1485)
<b>Human Gene Id :</b>	1284
<b>Human Swiss Prot No :</b>	P08572
<b>Mouse Gene Id :</b>	12827
<b>Mouse Swiss Prot No :</b>	P08122
<b>Immunogen :</b>	Synthesized peptide derived from human Collagen IV $\alpha$ 2 (Cleaved-Ser1485)
<b>Specificity :</b>	This antibody detects endogenous levels of Human,Mouse Collagen IV $\alpha$ 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486 )
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	160 190kD
<b>Background :</b>	<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>
<b>Function :</b>	negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,
<b>Subcellular Location :</b>	Secreted, extracellular space, extracellular matrix, basement membrane.
<b>Sort :</b>	568
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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