

## Collagen IV alpha2 (Cleaved-Ser1485) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01773
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human Collagen IV $\alpha$ 2 (Cleaved-Ser1485)
<b>Mol wt</b>	188320
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Collagen IV alpha 2
<b>Synonyms</b>	Collagen IV $\alpha$ 2 ;Cleaved-Ser1485; Collagen alpha-2;IV chain [Cleaved into: Canstatin;

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.|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.|Belongs to the type IV collagen family.|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.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year