

# Collagen XVIII alpha 1(Cleaved-His1572) Rabbit Polyclonal Antibody

## Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP08259
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human Collagen XVIII $\alpha$ 1 (Cleaved-His1572)
<b>Mol wt</b>	192940
<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 XVIII alpha 1
<b>Synonyms</b>	Collagen XVIII $\alpha$ 1 ;Cleaved-His1572; Collagen alpha-1;XVIII chain [Cleaved into: Endostatin;

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

## Background

This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins| extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin| a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities| so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants.

## 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