

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

Description

Product type	Primary Antibody
Code	BT-AP08259
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human Collagen XVIII α 1 (Cleaved-His1572)
Mol wt	192940
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Collagen XVIII alpha 1
Synonyms	Collagen XVIII α 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