

Product datasheet for **TA356579**

Endostatin (COL18A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-COL18A1 antibody is: synthetic peptide directed towards the Middle region of Human COIA1
Specificity:	Expected reactivity: Cow, Horse, Human, Pig, Rabbit Homology: Cow: 92%; Horse: 83%; Human: 100%; Pig: 83%; Rabbit: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	147 kDa
Gene Name:	collagen type XVIII alpha 1 chain
Database Link:	Entrez Gene 80781 Human P39060-2



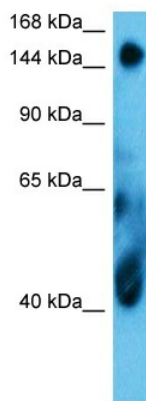
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Background:

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.

Synonyms:

FLJ27325; FLJ34914; KNO; KNO1; MGC74745

Product images:

Host: Rabbit
Target Name: COIA1
Sample Tissue: MCF7 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: COIA1
Sample Type: MCF7 Whole Cell
Antibody Dilution: 1.0ug/ml