

Datasheet for ABIN678130

## **anti-COL4a3 antibody (AA 1571-1670) (Biotin)**



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### Overview

Quantity:	100 µL
Target:	COL4a3 (COL4A3)
Binding Specificity:	AA 1571-1670
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL4a3 antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Tumstatin
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	COL4a3 (COL4A3)
Alternative Name:	Tumstatin ( <a href="#">COL4A3 Products</a> )

## Target Details

Background:	<p>Synonyms: Collagen alpha-3IV chain, Alpha 3 type IV collagen, Alpha3 type IV collagen, COL4A3, COL4A3, Collagen IV alpha 3 polypeptide, Collagen type IV alpha 3 Goodpasture antigen, Collagen type IV alpha 3, Goodpasture antigen, OTTHUMP00000195044, Tumstatin, Col4a3, CO4A3_HUMAN.</p> <p>Background: COL4A3 (Collagen, type IV, alpha 3) belongs to the type IV collagen family. 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. Type IV collagen is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. Tumstatin, a cleavage fragment corresponding to the collagen alpha 3(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity.</p>
Gene ID:	1285
Pathways:	<a href="#">Sensory Perception of Sound, Positive Regulation of Endopeptidase Activity</a>

## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

## Handling

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Expiry Date: 12 months