

For Research Use Only

COL4A3-specific Polyclonal antibody

Catalog Number: 18305-1-AP **2 Publications**



Basic Information

Catalog Number: 18305-1-AP	GenBank Accession Number: NM_000091	Purification Method: Antigen affinity purification
Size: 130 µg/ml	GeneID (NCBI): 1285	
Source: Rabbit	UNIPROT ID: Q01955	
Isotype: IgG	Full Name: collagen, type IV, alpha 3 (Goodpasture antigen)	
	Calculated MW: 162 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
mouse, rat

Background Information

Tumstatin is a cleavage fragment(C-term-245aa) corresponding to the collagen alpha 3(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity; these two anti-tumor properties may be regulated via RGD-independent ITGB3-mediated mechanisms. Tumstatin indicated proapoptotic activity by selective inhibition of protein synthesis on endothelial cells. At normal physiologic levels, tumstatin, a cleavage product of the alpha3 chain of type IV collagen, is capable of suppressing pathologic angiogenesis and tumor growth, according to animal study findings published in the June issue of Cancer Cell.

Notable Publications

Author	Pubmed ID	Journal	Application
Xilin Zhao	39556027	Food Funct	WB
Lan-Gen Zhuang	39493557	World J Diabetes	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Selected Validation Data