



COL4A2 Antibody, Biotin conjugated

Product Code	CSB-PA11947D0Rb
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08572
Immunogen	Recombinant Human Collagen alpha-2(IV) chain protein (1493-1712AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA
Relevance	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. Canstatin, a cleavage product corresponding to the collagen alpha 2(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity. It inhibits proliferation and migration of endothelial cells, reduces mitochondrial membrane potential, and induces apoptosis. Specifically induces Fas-dependent apoptosis and activates procaspase-8 and -9 activity. Ligand for alphavbeta3 and alphavbeta5 integrins.
Form	Liquid
Conjugate	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Collagen alpha-2(IV) chain [Cleaved into: Canstatin], COL4A2
Species	Human
Research Area	Cardiovascular
Target Names	COL4A2