

Product datasheet for **AP54853SU-N**

Collagen IV (COL4A3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/500-1/2000. Immunofluorescence. Immunohistochemistry: 1/50-1/500.
Reactivity:	Human, Rat, Zebrafish
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-term domain of Human COL4A3
Specificity:	This antibody reacts with Human fragment (26 kDa) and precursor (161 kDa) of COL4A3 protein. Cross reacts with Mouse, Rat, Zebrafish and other species.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Serum State: Lyophilized Serum Preservative: None
Reconstitution Method:	Restore in 200 µl of distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type IV alpha 3 chain
Database Link:	Entrez Gene 1285 Human Q01955



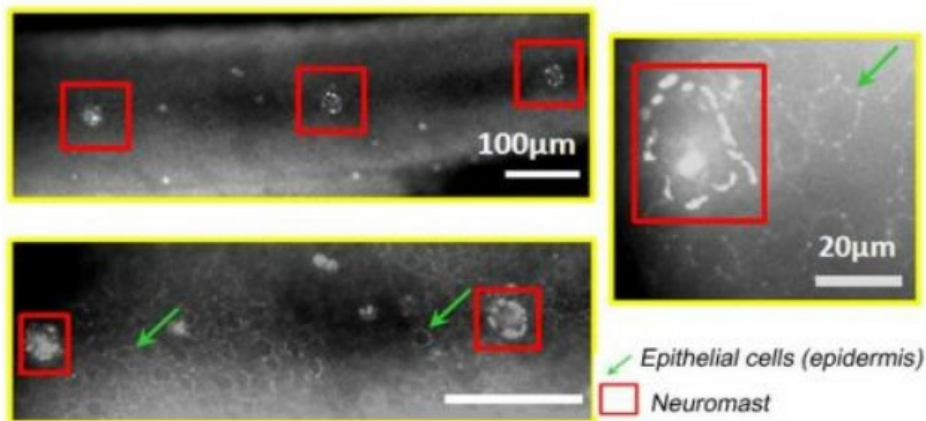
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Background:

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.

Synonyms:

COL4A3

Product images:

Immunofluorescence staining of Collagen IV alpha 3 chain (COL4A3) in developing Zebrafish: At 72 hour post fertilization (hpf) antibodies to collagen IV alpha3 chain stain neuromasts and epidermis in Zebrafish. *Courtesy from E. Guillon and F. Ruggiero, IGFL, ENS de Lyon, France.*