COL6A3 rabbit pAb

Cat#: orb767623 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	COL6A3 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen VI alpha3. AA range:2261-2310
Specificity	COL6A3 Polyclonal Antibody detects endogenous levels of COL6A3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Collagen alpha-3(VI) chain
Gene Name	COL6A3
Cellular localization	Secreted, extracellular space, extracellular matrix .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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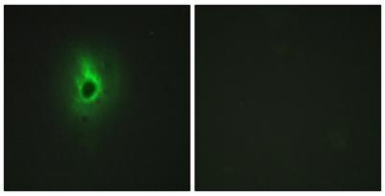
Concentration	1 mg/ml
Observed band	
Human Gene ID	1293
Human Swiss-Prot Number	P12111
Alternative Names	COL6A3; Collagen alpha-3(VI) chain

Background

This gene encodes the alpha-3 chain, one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The alpha-3 chain of type VI collagen is much larger than the alpha-1 and -2 chains. This difference in size is largely due to an increase in the number of subdomains, similar to von Willebrand Factor type A domains, that are found in the amino terminal globular domain of all the alpha chains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in the type VI collagen genes are associated with Bethlem myopathy, a rare autosomal dominant proximal myopathy with early childhood onset. Mutations in this gene are also a cause of Ullrich congenital muscular dystrophy, also referred to as Ullrich scleroatonic muscular dystrophy, an a



Immunofluorescence analysis of HeLa cells, using Collagen VI alpha3 Antibody. The picture on the right is blocked with the synthesized peptide.

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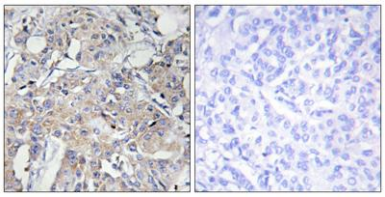

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Collagen VI alpha3 Antibody. The picture on the right is blocked with the synthesized peptide.

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