COL5A3 rabbit pAb

Cat No.:ES2026

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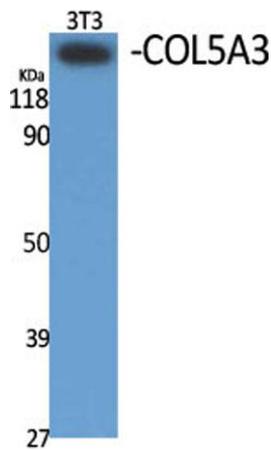
Overview

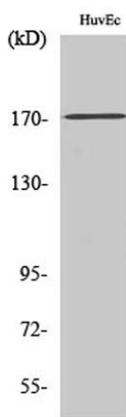|	
Product Name	COL5A3 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen V alpha3. AA range:221-270
Specificity	COL5A3 Polyclonal Antibody detects endogenous levels of COL5A3 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(V) chain
Gene Name	COL5A3
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
Concentration	1 mg/ml
Observed band	170kD
Human Gene ID	50509
Human Swiss-Prot Number	P25940
Alternative Names	COL5A3; Collagen alpha-3(V) chain
Background	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and

appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are thought to be responsible for the symptoms of a subset of patients with Ehlers-Danlos syndrome type III. Messages of several sizes can be detected in northern blots but sequence information cannot confirm the identity of the shorter messages. [provided by RefSeq, Jul 2008],

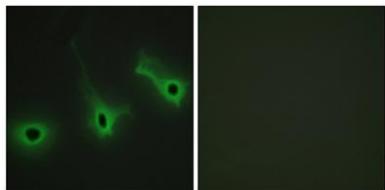Western Blot analysis of various cells using COL5A3 Polyclonal Antibody

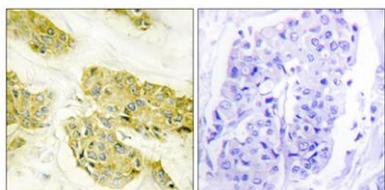Western Blot analysis of K562 cells using COL5A3 Polyclonal Antibody

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

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