

产品名称: COL5A3 Rabbit Polyclonal Antibody
产品货号: APRab09194



产品概述 (Summary)

产品名称 (Production Name)	COL5A3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	COL5A3
别名 (Alternative Names)	COL5A3; Collagen alpha-3(V) chain
基因 ID (Gene ID)	50509.0
蛋白 ID (SwissProt ID)	P25940.The antiserum was produced against synthesized peptide derived from human Collagen V alpha3. AA range:221-270

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	170kDa

研究背景 (Background)

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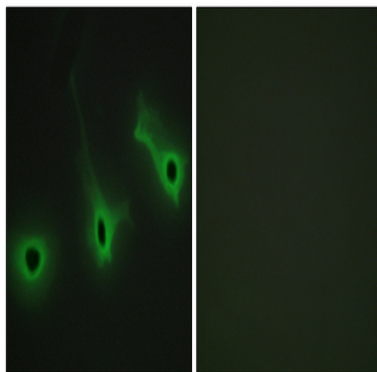


This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers 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],function:Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.,PTM:Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.,similarity:Belongs to the fibrillar collagen family.,similarity:Contains 1 TSP N-terminal (TSPN) domain.,subunit:Trimers of two alpha 1(V) and one alpha 2(V) chains in most tissues and trimers of one alpha 1(V), one alpha 2(V), and one alpha 3(V) chains in placenta.,

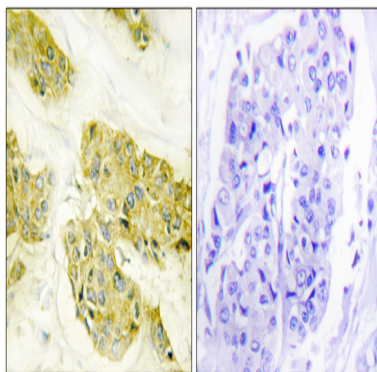
研究领域 (Research Area)

Focal adhesion;ECM-receptor interaction;

图片 (Image Data)



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

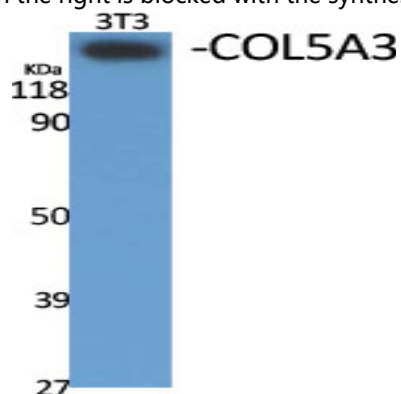


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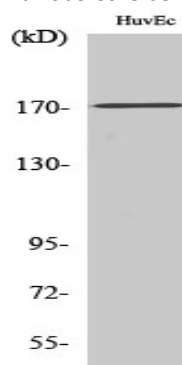


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Collagen V alpha3 Antibody.

The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using COL5A3 Polyclonal Antibody



Western Blot analysis of K562 cells using COL5A3 Polyclonal Antibody

注意事项 (Note)

For research use only .