

产品名称: COL6A2 Rabbit Polyclonal Antibody
产品货号: APRab09196



产品概述 (Summary)

产品名称 (Production Name)	COL6A2 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,Mouse,Monkey

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)	COL6A2
别名 (Alternative Names)	COL6A2; Collagen alpha-2(VI) chain
基因 ID (Gene ID)	1292.0
蛋白 ID (SwissProt ID)	P12110.The antiserum was produced against synthesized peptide derived from human Collagen VI alpha2. AA range:691-740

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 1:5000-1:20000
蛋白分子量 (Molecular Weight)	109kDa

研究背景 (Background)

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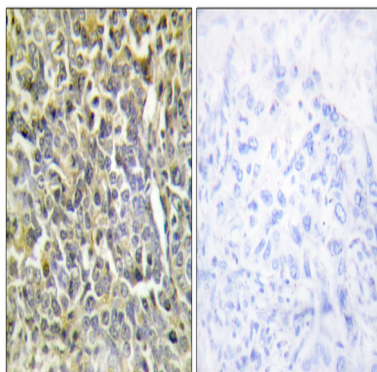


This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene. [provided by RefSeq, Jul 2008],disease:Defects in COL6A2 are a cause of Bethlem myopathy (BM) [MIM:158810]. BM is a rare autosomal dominant proximal myopathy characterized by early childhood onset (complete penetrance by the age of 5) and joint contractures most frequently affecting the elbows and ankles.,disease:Defects in COL6A2 are a cause of Ullrich congenital muscular dystrophy (UCMD) [MIM:254090]; also known as Ullrich scleroatonic muscular dystrophy. UCMD is an autosomal recessive congenital myopathy characterized by muscle weakness and multiple joint contractures, generally noted at birth or early infancy. The clinical course is more severe than in Bethlem myopathy.,function:Collagen VI acts as a cell-binding protein.,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 type VI collagen family.,similarity:Contains 3 VWFA domains.,subcellular location:Recruited on membranes by CSPG4.,subunit:Trimers composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI). Interacts with CSPG4.,

研究领域 (Research Area)

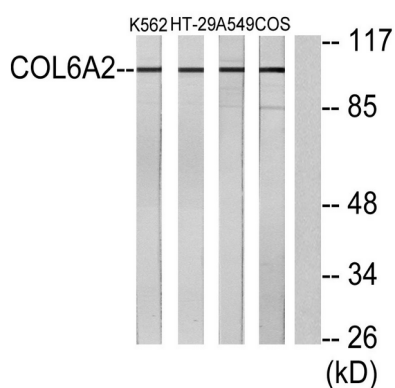
Focal adhesion;ECM-receptor interaction;

图片 (Image Data)

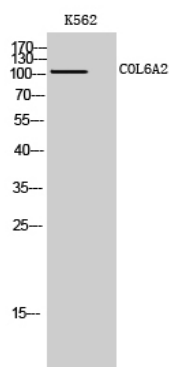


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Collagen VI alpha2 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from K562, A549, HT-29, and COS7 cells, using Collagen VI alpha2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of K562 cells using COL6A2 Polyclonal Antibody

注意事项 (Note)

For research use only .