COL6A2 Rabbit pAb

CatalogNo: YT1035 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Monkey

Applications
- WB,IHC,IF,ELISA

MW
- 109kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen VI alpha2. AA range:691-740
Specificity	COL6A2 Polyclonal Antibody detects endogenous levels of COL6A2 protein.

Target Information

Gene name COL6A2

Protein Name Collagen alpha-2(VI) chain

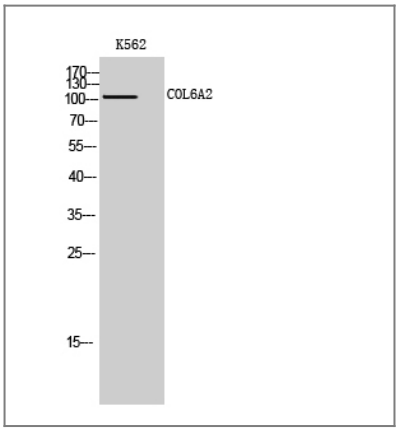
Organism	Gene ID	UniProt ID
Human	1292;	P12110;
Mouse	12834;	Q02788;

Cellular Localization Secreted, extracellular space, extracellular matrix . Membrane ; Peripheral membrane protein . Recruited on membranes by CSPG4.

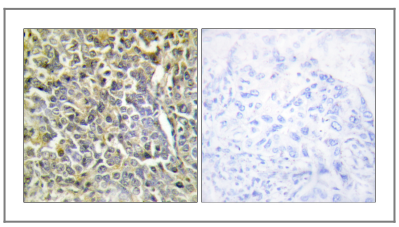
Tissue specificity Fibroblast,Kidney,Liver,Ovary,Placenta,Uterus,

Function 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.,

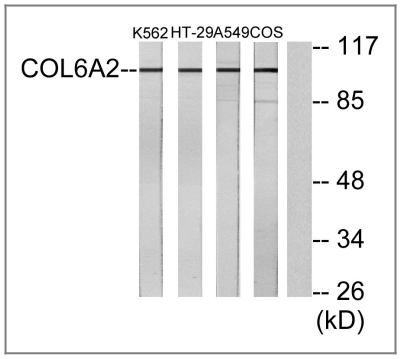
Validation Data



Western Blot analysis of K562 cells using COL6A2 Polyclonal Antibody



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.



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.

Contact information

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Please scan the QR code to access additional product information:
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