BT LAB
Bioassay Technology Laboratory
Optimize Your Research

COL6A1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02092
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen VI alpha1. AA range:191-240
Mol wt	108529
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	COL6A1 Antibody
Synonyms	COL6A1; Collagen alpha-1(VI) chain

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The collagen type VI alpha 1 chain encoded by COL6A1 is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.

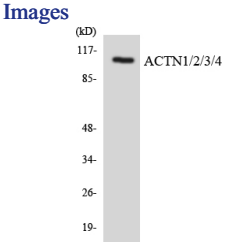
Recommended Dilution

IHC: 1: 100 - 1: 300

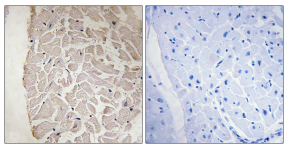
ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of the lysates from COLO205 cells using ACTN1/2/3/4 antibody.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using Collagen VI alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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