

Collagen VI/COL6A1 Rabbit pAb

Catalog No.: A9236 **3 Publications**

Basic Information

Observed MW

108kDa

Calculated MW

109kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

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 protein encoded by this gene 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 Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

1291

Swiss Prot

P12109

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 19-250 of human Collagen VI/Collagen VI/COL6A1 (NP_001839.2).

Synonyms

OPLL; BTHLM1; UCHMD1; Collagen VI/COL6A1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

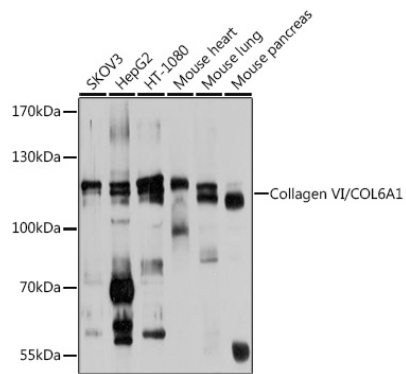
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Collagen VI/Collagen VI/COL6A1 antibody (A9236) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.