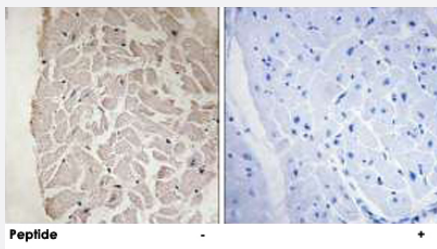


COL6A1 polyclonal antibody

Catalog # PAB17516 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human heart tissue using COL6A1 polyclonal antibody (Cat # PAB17516).

Peptide "+" means "with peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of COL6A1.

Immunogen A synthetic peptide corresponding to internal of human COL6A1.

Host Rabbit

Reactivity Human, Mouse

Specificity This antibody detects endogenous levels of total COL6A1 protein.

Form Liquid

Recommend Usage Immunohistochemistry (1:50-1:100)
ELISA (1:20000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human heart tissue using COL6A1 polyclonal antibody (Cat # PAB17516).

Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL6A1

Entrez GeneID [1291](#)

Protein Accession# [P12109](#)

Gene Name COL6A1

Gene Alias OPLL

Gene Description collagen, type VI, alpha 1

Omim ID [120220](#) [158810](#) [254090](#) [602475](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations alpha 1 (VI) chain (61 AA)|collagen VI, alpha-1 polypeptide

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hyperostosis](#)
- [Neuroblastoma](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Spondylitis](#)
- [Uveitis](#)