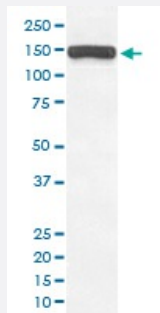


COL6A1 monoclonal antibody, clone HGG-3

Catalog # MAB19911 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human brain lysate with COL6A1 monoclonal antibody.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human COL6A1.

Immunogen A synthetic peptide corresponding to human COL6A1.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:1000-1:2000)
- The optimal working dilution should be determined by the end user.

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

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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

- Western Blot (Cell lysate)

Western blot analysis of human brain lysate with COL6A1 monoclonal antibody.

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

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](#)