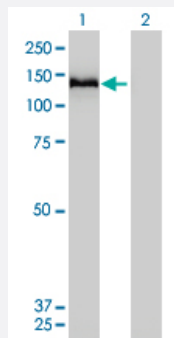


COL6A2 monoclonal antibody (M01), clone 2C5-F2

Catalog # H00001292-M01

Size 100 ug

Applications

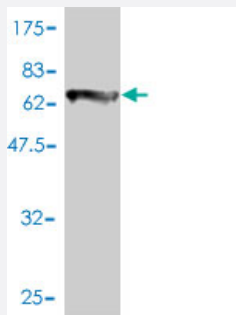


Western Blot (Transfected lysate)

Western Blot analysis of COL6A2 expression in transfected 293T cell line by COL6A2 monoclonal antibody (M01), clone 2C5-F2.

Lane 1: COL6A2 transfected lysate(109 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (72.49 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant COL6A2.

Immunogen

COL6A2 (AAH02484, 1 a.a. ~ 425 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MTVRETGCGCCDCEKRCGALDVVFVIDSSESIGYTNFTLEKNFVINNVNRLGAIKDPKSETGTRV
GVVQYSHEGTFEAIQLDDEHIDSLSSFKEAVKNLEWIAGGTWTPSALKFAYDRLIKESRRQKTRVF
AVVITDGRHDPRDDDLNLRALCDRDVTVAIGIGDMFHEKHESENLYSIACDKPQQVRNMTLFSDL
VAEKFIDDMEDVLCPPDQIVCPDLPCQTELSVAQCTQRPVDIVFLLDGSERLGEQNFHKARRFVE
QVARRLTLARRDDDLNARVALLQFGGPGEQQVAFPLSHNLTAIHEALETQYLNFSFHVAGGVV
HAINAMRSPRGGARRHAELSFLVLTGVTGNDLSLHESAHSMRKQNVVPTVLALGSDVDMDVLTT
LSLGDRAAVFHEKDYDSLAAQPGFFDRFIRWIC

Host	Mouse
Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (72.49 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of COL6A2 expression in transfected 293T cell line by COL6A2 monoclonal antibody (M01), clone 2C5-F2.

Lane 1: COL6A2 transfected lysate(109 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — COL6A2

Entrez GeneID	1292
GeneBank Accession#	BC002484
Protein Accession#	AAH02484
Gene Name	COL6A2
Gene Alias	DKFZp586E1322, FLJ46862, PP3610
Gene Description	collagen, type VI, alpha 2
Omim ID	120240 158810 254090

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000115569|alpha 2 type VI collagen|collagen VI, alpha-2 polypeptide|collagen alpha-2(VI) chain|human mRNA for collagen VI alpha-2 C-terminal globular domain

Publication Reference

- [Proteomics analysis identifies new markers associated with capillary cerebral amyloid angiopathy in Alzheimer's disease.](#)

Hondius DC, Eigenhuis KN, Morrema THJ, van der Schors RC, van Nierop P, Bugiani M, Li KW, Hoozemans JJM, Smit AB, Rozemuller AJM.

Acta Neuropathologica Communications 2018 Jun; 6(1):46.

Application: IHC-Fr, IHC-P, WB-Ti, Human, Occipital lobe tissue lysates

Pathway

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

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)