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COL5A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant COL5A1.
Catalog # AT1584a

Product Information

Application	WB, E
Primary Accession	P20908
Other Accession	BC008760
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2F4
Calculated MW	183560

Additional Information

Gene ID	1289
Other Names	Collagen alpha-1(V) chain, COL5A1
Target/Specificity	COL5A1 (AAH08760, 1 a.a. ~ 591 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	COL5A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

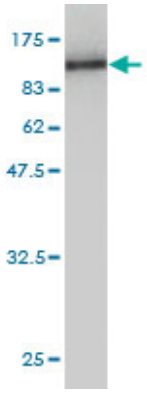
This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II.

References

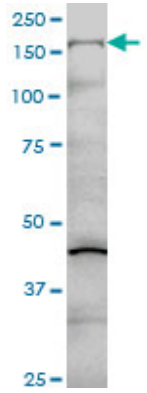
THE COL5A1 GENE: A NOVEL MARKER OF ENDURANCE RUNNING PERFORMANCE. Posthumus M, et al. Med

Sci Sports Exerc, 2010 Aug 23. PMID 20798666.New loci associated with central cornea thickness include COL5A1, AKAP13 and AVGR8. Vitart V, et al. Hum Mol Genet, 2010 Sep 2. PMID 20719862.A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes. Romero R, et al. Am J Obstet Gynecol, 2010 May. PMID 20452482.

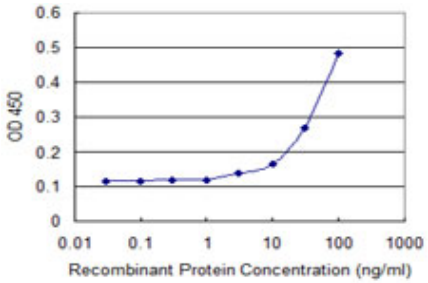
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (90.53 KDa) .



COL5A1 monoclonal antibody (M01), clone 2F4 Western Blot analysis of COL5A1 expression in Hela S3 NE ((Cat # AT1584a)



Detection limit for recombinant GST tagged COL5A1 is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.