

AP51018PU-N

Polyclonal Antibody to Collagen type VI alpha 2 chain (C-term) - Aff - Purified

Alternate names:	COL6A2
Quantity:	0.4 ml
Concentration:	0.5 mg/ml (Lot specific)
Background:	COL6A2 is 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].
Uniprot ID:	P12110
NCBI:	NP_001840
GeneID:	1292
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 719-747 amino acids from the C-terminal region of human COL6A2
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS Preservatives: 0.09% (W/V) sodium azide
Applications:	Peptide ELISA: 1/1000. Western blot: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	108579 Da
Specificity:	This antibody reacts to COL6A2.
Species Reactivity:	Tested: Human.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Zhang, R.Z., et al. J. Biol. Chem. 285(13):10005-10015(2010) 2. Bovolenta, M., et al. BMC Med. Genet. 11, 44 (2010) 3. Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009) 4. Freise, C., et al. Matrix Biol. 28(8):480-489(2009) 5. Martoni, E., et al. Hum. Mutat. 30 (5), E662-E672 (2009)

Pictures:

COL6A2 Antibody (C-term) (Cat. #AP51018PU-N) western blot analysis in MDA-MB453 cell line lysates (35µg/lane). This demonstrates the COL6A2 antibody detected the COL6A2 protein (arrow).

