



Anti-COL6A2 (full length) polyclonal antibody (DPAB-DC532)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description 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.

Immunogen COL6A2 (AAH02484, 1 a.a. ~ 425 a.a) full-length recombinant protein with GST tag. The sequence is
 MTYVRETCGCCDCEKRCGALDVVFVIDSSESIGYTNFTLEKNFVINVVNRLGAIKDPKS
 ETGTRVGVVQYSHEGTFEAIQLDDEHIDSLSSFKEAVKNLEWIAGGTWTPSALKFAYDRL
 IKESRRQKTRVFAVVITDGRHDPRDDDLNLRALCDRDVTVTAIGIGDMFHEKHESENLYS
 IACDKPQQVRNMTLFSDLVAEKFIDDMEDVLCPPQIVCPDLPCQTELSVAQCTQRPVDI
 VFLLDGSERLGEQNFHKARRFVEQVARRLTLARRDDDPLNARVALLQFGGPGEQQVAFPL
 SHNLTAIHEALETQYLSFSHVGAGVVHAINAIVRSPRGGARRHAELSFVFLTDGVTGN
 DSLHESAHSRMRKQNVVPTVLALGSDVDMDVLTTLTSLGDRAAV

Source/Host Mouse

Species Reactivity Human

Conjugate Unconjugated

Applications WB (Recombinant protein), ELISA,

Size 100 µg

Buffer 50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	COL6A2 collagen, type VI, alpha 2 [Homo sapiens (human)]
Official Symbol	COL6A2
Synonyms	COL6A2; collagen, type VI, alpha 2; PP3610; collagen alpha-2(VI) chain; collagen VI, alpha-2 polypeptide; human mRNA for collagen VI alpha-2 C-terminal globular domain;
Entrez Gene ID	1292
Protein Refseq	NP_001840
UniProt ID	P12110
Chromosome Location	21q22.3
Pathway	Assembly of collagen fibrils and other multimeric structures; Collagen biosynthesis and modifying enzymes; Developmental Biology; ECM-receptor interaction
Function	protein binding;