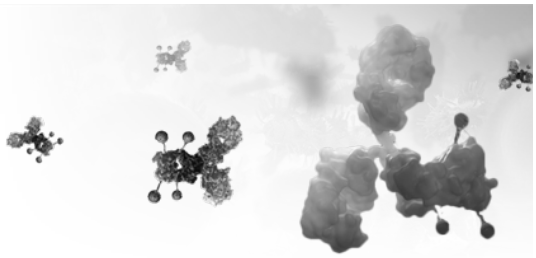

Human COL11A2 blocking peptide (CDBP0847)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-collagen type XI alpha 2 antibody
Antigen Description	This gene encodes one of the two alpha chains of type XI collagen, a minor fibrillar collagen. It is located on chromosome 6 very close to but separate from the gene for retinoid X receptor beta. Type XI collagen is a heterotrimer but the third alpha chain is a post-translationally modified alpha 1 type II chain. Proteolytic processing of this type XI chain produces PARP, a proline/arginine-rich protein that is an amino terminal domain. Mutations in this gene are associated with type III Stickler syndrome, otospondylomegaepiphyseal dysplasia (OSMED syndrome), Weissenbacher-Zweymuller syndrome, autosomal dominant non-syndromic sensorineural type 13 deafness (DFNA13), and autosomal recessive non-syndromic sensorineural type 53 deafness (DFNB53). Alternative splicing results in multiple transcript variants. A related pseudogene is located nearby on chromosome 6.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	COL11A2 collagen, type XI, alpha 2 [Homo sapiens]

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Official Symbol	COL11A2
Synonyms	COL11A2; collagen, type XI, alpha 2; DFNA13, DFNB53; collagen alpha-2(XI) chain; HKE5; pro-a2 chain of collagen type XI; PARP; STL3; FBCG2; DFNA13; DFNB53;
Entrez Gene ID	1302
mRNA Refseq	NM_001163771
Protein Refseq	NP_001157243
UniProt ID	P13942
Chromosome Location	6p21.3
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	extracellular matrix structural constituent; extracellular matrix structural constituent conferring tensile strength; protein binding, bridging; structural molecule activity;

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