



Rabbit Anti-Human COL3a1 Polyclonal Antibody (CABT-L2265)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Collagen Type III Alpha 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against COL3a1. It has been selected for its ability to recognize COL3a1 in immunohistochemical staining and western blotting.
Target	COL3a1
Immunogen	Recombinant fragment corresponding to human COL3A1 (Gly1059-Leu1466)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]
Keywords	COL3-A1;COL3A1;EDS4A;Collagen Type III Alpha 1;Ehlers-Danlos Syndrome Type IV Autosomal Dominant;Collagen Alpha-1(III)chain

GENE INFORMATION

Gene Name	COL3A1 collagen, type III, alpha 1 [Homo sapiens (human)]
Official Symbol	COL3A1
Synonyms	COL3A1; collagen, type III, alpha 1; EDS4A; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant;
Entrez Gene ID	1281
Protein Refseq	NP_000081
UniProt ID	P02461
Chromosome Location	2q31
Pathway	Amoebiasis; Assembly of collagen fibrils and other multimeric structures; Binding and Uptake of Ligands by Scavenger Receptors; Collagen biosynthesis and modifying enzymes; Collagen formation; ECM-receptor interaction; Endothelins; Extracellular matrix organization;
Function	SMAD binding; extracellular matrix structural constituent; integrin binding; metal ion binding; platelet-derived growth factor binding; protein binding;