



Rabbit Anti-Human COL2A1 Polyclonal Antibody (CPBT-31646GH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal to COL2A1.
Specificity	This antibody detects endogenous levels of COL2A1 protein.
Target	COL2A1
Immunogen	Synthesized peptide derived from human COL2A1 (N-terminal)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	This antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Conjugate	Unconjugated
Applications	WB, IHC, IF, ELISA
Molecular Weight	140 kDa
Format	Liquid
Concentration	Lot specific
Size	100 µl, 200 µl
Buffer	PBS containing 50% glycerol and 0.5% BSA

Preservative	0.02% Sodium Azide
Storage	Store at -20°C, and avoid repeat freeze-thaw cycles.

BACKGROUND

Introduction	This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene.
Keywords	COL2A1;collagen, type II, alpha 1;AOM;ANFH;SEDC;STL1;COL11A3;collagen alpha-1(II) chain;chondrocalcin;cartilage collagen;alpha-1 type II collagen;collagen II, alpha-1 polypeptide;arthroophthalmopathy, progressive (Stickler syndrome);

GENE INFORMATION

Entrez Gene ID	1280
UniProt ID	P02458