



Rabbit Anti-Human COL2A1 Polyclonal antibody (DPABH-28649)

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

PRODUCT INFORMATION

Immunogen	Collagen Type II fusion protein, sequence: GPPGNPGPPGPPGPPGIDMSAFAGLGPREKGPDPQLQYMRADQAAGGLRQHDAEVDATL KSLNNQIESIRSPEGSRKNPARTCRDLKLCHPEWKSGDYWIDPNQGCTLDAMKVFCNMET GETCVYPNPANVPKKNWWSSKSKEKKHIWFGETINGGFHFSYGDDNLAPNTANVQMTFLR LLSTEGSQNITYHCKNSIAYLDEAAGNLKKALLIQGSNDVEIRAEGNSRFTYTALKDGCT KHTGKWGKTVIEYRSQKTSRLPIIDIAPMDIGGPEQEFQVDIGPVCFL (1200-1487 aa encoded by BC007252)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Hartley Guinea Pigs, Rabbit
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Positive Control	transfected cells
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

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