German Research Products - GRP GmbH

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Product Datasheet

COL1A1 antibody [N1N2], N-term GRP52

Description This gene encodes the pro-alpha1 chains of type I collagen whose

triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have

been identified for this gene. [provided by R. Dalgleish]

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications ICC, IF, IHC-P, IP, WB

Immunogen Recombinant protein encompassing a sequence within the

N-terminus region of human COL1A1. The exact sequence is

proprietary.

Form/Appearance Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300

was added as a preservative.

Concentration 0.15 mg/ml

Storage Store as concentrated solution. Centrifuge briefly prior to opening

vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Note For research use only.

Isotype IgG

Clonality Polyclonal

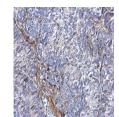
Purity Purified by antigen-affinity chromatography.

Uniprot ID P02452

Entrez 1277

Dilution Range WB: 1:500-1:3000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000,IP:

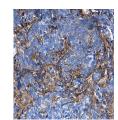
1:100-1:500



COL1A1 antibody [N1N2],
N-term
detects COL1A1 protein at
secreted on human
cervical
carcinoma by
immunohistochemical
analysis.
Sample:
Paraffin-embedded

human cervical carcinoma. COL1A1 antibody [N1N2], N-term

(GRP504) dilution: 1:500.



COL1A1 antibody [N1N2],
N-term
detects COL1A1 protein at secreted on human endometrial carcinoma by immunohistochemical analysis.
Sample:
Paraffin-embedded