German Research Products - GRP GmbH

In der Stockwiese 26

D-85410 Haag/Amper, Germany

Email: info@grp-ak.de Phone: +49 (0)8167 6335

Product Datasheet

COL1A2 antibody [C2C3], C-term GRP31

Description This gene encodes the pro-alpha2 chain 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 VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three 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

Conjugation Unconjugated

Tested Applications ICC, IF, WB

Immunogen Recombinant protein encompassing a sequence within the

C-terminus region of human COL1A2. The exact sequence is

proprietary.

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

was added as a preservative.

Concentration 0.45 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 P08123

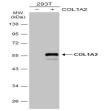
Entrez 1278

Dilution Range WB: 1:1000-1:10000,ICC: 1:100-1:1000

COL1A2 antibody [C2C3], C-term detects COL1A2 protein at cytoplasm by immunofluorescent analysis.Sample: NIH-3T3 cells

were fixed in ice-cold MeOH for 5 min.Green: COL1A2

protein stained by COL1A2 antibody [C2C3], C-term (GRP483) diluted at 1:500.Blue: Ho



Non-transfected (â€") and transfected (+) 293T whole cell extracts (30 ?g) were separated by 10% SDS-PAGE, and the membrane was blotted

with

COL1A2 antibody [C2C3], C-term

(GRP483) diluted at

German Research Products - GRP GmbH In der Stockwiese 26 D-85410 Haag/Amper, Germany Email: info@grp-ak.de | Phone: +49 (0)8167 6335