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COL1A1 Polyclonal Antibody

Cat #: G-AB-05455

Host: Rabbit **Reactivity:** Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
COL1A1 (Collagen Type I Alpha 1 Chain) is a Protein Coding gene. Diseases associated with COL1A1 include Caffey Disease and Osteogenesis Imperfecta, Type I. Among its related pathways are Collagen chain trimerization and Transcription_Role of VDR in regulation of genes involved in osteoporosis. GO annotations related to this gene include identical protein binding and platelet-derived growth factor binding. An important paralog of this gene is COL2A1.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

Gene ID:

Accession #:

Immunogen: Recombinant protein corresponding to Mouse COL1A1

Conjugation: Unconjugated

Swissprot: P11087,P02452

Calculated Molecular Weight:

Observed Molecular Weight:

Concentration: 130 g/mL

Buffer: PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: IHC

Dilution: IHC 1:300-1:1000

Storage: Store at -20°C. Avoid freeze / thaw cycles.