CORA1 Polyclonal Antibody

Catalog No	BYab-07317
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	COL27A1 KIAA1870
Protein Name	Collagen alpha-1(XXVII) chain
Immunogen	Synthesized peptide derived from human protein . at AA range: 1551-1600
Specificity	CORA1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	204kD
Cell Pathway	Secreted, extracellular space, extracellular matrix. Found on some small banded collagen fibrils and meshworks. .
Tissue Specificity	Brain,Cartilage,Epithelium,Skin,Whole embryo,
Function	developmental stage:Detected at E67 in the primary ossification center and is tightly restricted to the pericellular region of the hypertrophic chondrocytes and lacunae at the very center of the future diaphysis. At fetal 20-week highly abundant in the hypertrophic zone at the chondroosseous junction. Weakly detected around cells in the resting and proliferative zone of the cartilaginous plate, but the intense detection occurred deep in the hypertrophic zone near the newly formed bone. Detected throughout the extracellular matrix (ECM) in this zone it is also closely situated around hypertrophic chondrocytes.,function:Plays a role during the calcification of cartilage and the transition of cartilage to bone.,similarity:Belongs to the fibrillar collagen family.,similarity:Contains 1 laminin G-like domain.,similarity:Contains 1 TSP N-terminal (TSPN) domain.,similarity:Contains 16 collagen-

Background	This gene encodes a member of the fibrillar collagen family, and plays a role during the calcification of cartilage and the transition of cartilage to bone. The encoded protein product is a preproprotein. It includes an N-terminal signal peptide, which is followed by an N-terminal propetide, mature peptide and a C-terminal propeptide. The N-terminal propeptide contains thrombospondin N-terminal-like and laminin G-like domains. The mature peptide is a major triple-helical region. The C-terminal propeptide, also known as COLFI domain, plays crucial roles in tissue growth and repair. Mutations in this gene cause Steel syndrome. Alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been determined. [provided by RefSeq, Sep 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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