

COL20A1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58340

Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession Q9P218

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 135830
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human COL20A1

Epitope Specificity 951-1050/1284

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted, extracellular space (Probable).

SIMILARITY Contains 2 collagen-like domains. Contains 6 fibronectin type-III domains.

Contains 1 laminin G-like domain. Contains 1 VWFA domain.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions The extensive family of COL gene products (collagens) is composed of several

chain types, including fibril-forming interstitial collagens (types I, II, III and V) and basement membrane collagens (type IV), each type containing multiple isoforms. Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Several collagens also play a role in cell adhesion, important for maintaining normal

tissue architecture and function

Additional Information

Gene ID 57642

Other Names Collagen alpha-1(XX) chain, COL20A1, KIAA1510

Target/Specificity High expression in heart, lung, liver, skeletal muscle, kidney, pancreas, spleen,

testis, ovary, subthalamic nucleus and fetal liver. Weak expression in other

tissues tested.

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name COL20A1

Synonyms KIAA1510

Function Probable collagen protein.

Cellular Location Secreted, extracellular space.

Tissue Location High expression in heart, lung, liver, skeletal muscle, kidney, pancreas, spleen,

testis, ovary, subthalamic nucleus and fetal liver. Weak expression in other

tissues tested

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.