bs-5881R **[Primary Antibody]**

COL20A1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 57642 **SWISS:** Q9P218

Target: COL20A1

Immunogen: KLH conjugated synthetic peptide derived from human COL20A1: 951-1050/1284.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Sheep, Cow, Dog)

Predicted MW.: 134 kDa

Subcellular Location: Secreted ,Extracellular matrix

SELECTED CITATIONS

- **[IF=7]** Liu Zhiming. et al. NOXA exacerbates endoplasmic-reticulum-stress-induced intervertebral disc degeneration by activating apoptosis and ECM degradation. CELL DEATH DISCOV. 2025 May;11(1):1-12 WB ;Human,Rat. 40436859
- **[IF=5.4]** Mengwei Zhang. et al.A Novel Scaffold of Icariin/Porous Magnesium Alloy-Repaired Knee Cartilage Defect in Rat by Wnt/β-Catenin Signaling Pathway.ACS Biomaterials Science & Engineering.2024 Sep 9;10(9):5796-5806. IHC ;Rat. 39155687
- **[IF=4.068]** Chang Liu. et al. PTN inhibited chondrogenic differentiation potential of dental pulp stem cells. ORAL DIS. 2023 Feb;: WB ;Human. 36840423
- **[IF=2.21]** Deng T et al.Inhibition Effect of Phytoestrogen Calycosin on TGF-β1-Induced Hepatic Stellate Cells Activation, Proliferation and Migration via Estrogen Receptor β. (2018) Can. J. Physiol. Pharmacol. Oct 12 WB ;. 30312543