

## COL1A2 (S3) polyclonal antibody

Catalog: BS1530

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 125 kDa

### Swiss-Prot:

P08123

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

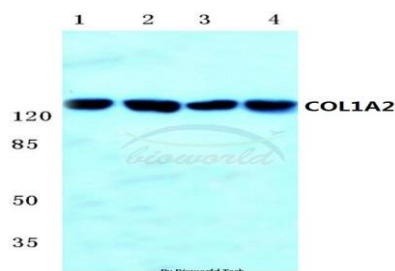
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

COL1A2 (S3) polyclonal antibody detects endogenous levels of Collagen alpha-2(I) chain protein.

### DATA:



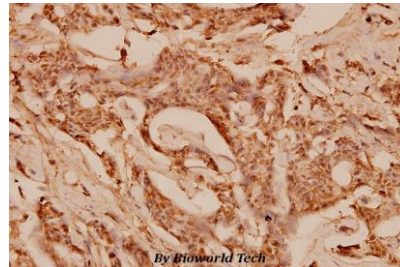
Western blot (WB) analysis of COL1A2 (S3) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Mouse liver tissue lysate

Lane3:Mouse lung tissue lysate

Lane4:Rat liver tissue lysate



Immunohistochemistry (IHC) analyzes of COL1A2 (S3) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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