



Cleaved-Collagen (Collagen III, COL3A1, Collagen alpha-1(III) Chain, Collagen III, Collagen-III, CollagenIII, Collagen3, Collagen 3, Collagen-3)

Catalog number

221751

Supplier

United States Biological

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

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1:500-1:1000

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to amino acids 1181-1230 of Human Collagen 3A1.

Formulation

Supplied as a liquid PBS, 0.1% sodium azide, 50% glycerol.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes endogenous levels of Cleaved-Collagen. Species Crossreactivity: Human, mouse, rat

Product Type

Pab

Source

human

**Isotype**

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu Mo Rt

Storage

-20°C

MW

95138