

Rabbit Collagen III Polyclonal Antibody

Collagen III

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268982	Rabbit	Human,Mouse,Rat,Cow	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Collagen III; Polyclonal Antibody; COL 3A1; COL3A1; Collagen alpha 1 (III) chain; Collagen III alpha 1 chain precursor; Collagen III alpha 1 polypeptide; Collagen type III alpha 1 (Ehlers Danlos syndrome type IV autosomal dominant); Collagen type III alpha 1; Collagen type III alpha; EDS4A; Ehlers Danlos syndrome type IV; autosomal dominant; Fetal collagen; Type III collagen; CO3A1_HUMAN; Collagen alpha-1 (III) chain; type III procollagen alpha 1 chain.; anti-Collagen III antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human,Mouse,Rat,Cow
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purification method: Protein A Affinity Plank.
Form/Format	Liquid; 0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Concentration	1 mg/mL. (varies by lot)
Applicable Applications for anti-Collagen III antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide derived from human Collagen alpha 1 (III) chain 801-900/1466
Subcellular localization	Secreted, Extracellular space, Extracellular matrix
Conjugation	Biotin
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 degree C. 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 degree C.

IMAGES



IHC (Immunohistochemistry)

Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Collagen III Polyclonal Antibody, Unconjugated (AAA268982) 1:500, overnight at 4 °C, followed by conjugation to the secondary antibody and DAB staining.



WB (Western Blot)

Sample:Hela Cell (Human) Lysate at 40 ugPrimary: Anti- Collagen III (AAA268982) at 1/300 dilutionSecondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 117 kD Observed band size: 130 kD.

ADDITIONAL INFORMATION

Related Product Information for anti-Collagen III antibody	Description: Type III Collagen is a homotrimer, or a protein composed of three identical peptide chains (monomers), each called an alpha 1 chain of type III collagen. Formally, the monomers are called collagen type III, alpha-1 chain and in humans are encoded by the COL3A1 gene. Type III collagen is one of the fibrillar collagens whose proteins have a long, inflexible, triple-helical domain. In addition to being an integral structural component of many organs, type III collagen is also an important regulator of the diameter of type I and II collagen fibrils. Type III collagen is also known to facilitate platelet aggregation through its binding to platelets and therefore, play an important role in blood clotting. Type III collagen is found as a major structural component in hollow organs such as large blood vessels, uterus and bowel. It is also found in many other tissues together with type I collagen.
--	--

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P02461
Molecular Weight	117 KDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/collagen-iii-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/268982>