

ARG23681 anti-Collagen III (Cyanogen Bromide Fragments) antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Collagen III (Cyanogen Bromide Fragments)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, IHC-P, IP, RIA, WB
Specificity	The antibody reacts with collagen type III from Human, Mouse and Rat. It exhibits no cross reactivity.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Collagen III (Cyanogen Bromide Fragments)
Species	Mouse
Immunogen	Collagen type III BrCN fragment.
Conjugation	Un-conjugated
Alternate Names	EDS4A; Collagen alpha-1(III) chain

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-P	Assay-dependent
	IP	4 - 16 µg/ml
	RIA	Assay-dependent
	WB	150 - 600 ng/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	The IgG fraction was purified from rabbit neat serum by affinity chromatography.
Buffer	PBS
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

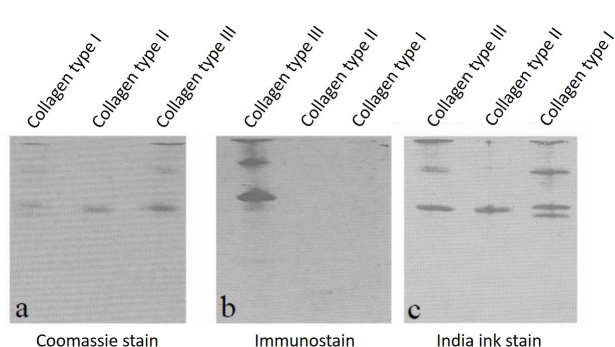
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	COL3A1
Gene Full Name	collagen, type III, alpha 1
Background	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]
Function	Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of GPR56 in the developing brain and binding to GPR56 inhibits neuronal migration and activates the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12. [UniProt]
Calculated Mw	139 kDa
PTM	Proline residues at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group. [UniProt]

Images



ARG23681 anti-Collagen III (Cyanogen Bromide Fragments) antibody WB image

Western blot: Collagen type I, II and III with following treatments: (a) Coomassie stain after blotting, (b) Immunostain with ARG23681 anti-Collagen III (Cyanogen Bromide Fragments) antibody, (c) India ink stain of transferred proteins onto Immobilon membranes.