

## Collagen I antibody

Cat. No. GTX41286

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, IHC-P, IHC-Fr, ELISA, RIA
<b>Reactivity</b>	Human, Mouse, Rat

References ( 17 )

Package

100 µl

## PRODUCT

## Summary

Collagen I antibody (Collagen 1 antibody) detects type I collagen, a fibrillar type collagen found in almost all connective tissues. The main isoform of type I collagen is a heterotrimer of two  $\alpha 1$  and one  $\alpha 2$  chains subject to significant posttranslational modification and crosslinking. Mutations in type I collagen are found in osteogenesis imperfecta and Ehlers-Danlos syndrome, but this collagen is also linked to other connective tissue disease as well as disorders associated with aging.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
IHC-P	1:500
IHC-Fr	1:80
ELISA	1:200
RIA	Assay dependent

Not tested in other applications.

**Calculated MW** 139 kDa. ([Note](#))

## Product Note

This antibody is specific to Mouse Collagen Type I (100%) by RIA, and typically showed less than 1% reactivity against other types of mouse collagen types (II, III and IV).

## Properties

**Form** Liquid

**Buffer** Phosphate-based salt

**Preservative** No preservatives

## Storage

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



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<b>Concentration</b>	Batch dependent (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Mouse collagen type I extracted and purified from mouse skin.
<b>Purification</b>	Purified by Column Chromatography
<b>Conjugation</b>	Unconjugated
<b>Note</b>	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>



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