

Datasheet for ABIN669988  
**anti-COL3 antibody (AA 1301-1400) (FITC)**



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## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | COL3                                                                                                                           |
| Binding Specificity: | AA 1301-1400                                                                                                                   |
| Reactivity:          | Human, Rat, Mouse, Rabbit, Dog                                                                                                 |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This COL3 antibody is conjugated to FITC                                                                                       |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Collagen alpha 1(III) chain (C-terminal propeptide)                                                                        |
| Isotype:              | IgG                                                                                                                                                                            |
| Specificity:          | This antibody is produced with an immunogen contained within the COL1I propeptide region, it will only recognize the full length Collagen III protein and not the mature form. |
| Cross-Reactivity:     | Dog, Human, Mouse, Rabbit, Rat                                                                                                                                                 |
| Predicted Reactivity: | Cow,Chicken                                                                                                                                                                    |
| Purification:         | Purified by Protein A.                                                                                                                                                         |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | COL3                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | Collagen 3 ( <a href="#">COL3 Products</a> )                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | <p>Synonyms: EDS4A, Collagen alpha-1(III) chain, COL3A1</p> <p>Background: 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.</p> |
| Gene ID:          | 1281                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">P02461</a>                                                                                                                                                                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only                                                       |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |