# COL1A1/Collagen 1 Conjugated Antibody

Catalog No: #C48905

Package Size: #C48905-AF350 100ul #C48905-AF405 100ul #C48905-AF488 100ul #C48905-AF555 100ul #C48905-AF594 100ul #C48905-AF647 100ul #C48905-AF680 100ul #C48905-AF750 100ul #C48905-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | COL1A1/Collagen 1 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Cow |
| Immunogen Description | recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | Alpha 1 type I collagen antibody Alpha 2 type I collagen antibody alpha 2 type I procollagen antibody alpha 2(I) procollagen antibody alpha 2(I)-collagen antibody Alpha-1 type I collagen antibody alpha1(I) procollagen antibody CO1A1_HUMAN antibody COL1A1 antibody COL1A2 antibody collagen alpha 1 chain type I antibody Collagen alpha-1(I) chain antibody collagen alpha-1(I) chain preproprotein antibody Collagen I alpha 1 polypeptide antibody Collagen I alpha 2 polypeptide antibody collagen of skin, tendon and bone, alpha-1 chain antibody collagen of skin, tendon and bone, alpha-2 chain antibody Collagen type I alpha 1 antibody Collagen type I alpha 2 antibody EDSC antibody OI1 antibody OI2 antibody OI3 antibody OI4 antibody pro-alpha-1 collagen type 1 antibody type I proalpha 1 antibody type I procollagen alpha 1 chain antibody Type I procollagen antibody |
| Accession No. | Swiss-Prot#:P02452 |
| Uniprot | P02452 |
| GeneID | 1277; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 130 kDa |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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.

Note: This product is for in vitro research use only