

Datasheet for ABIN1385105 **anti-Collagen Type I antibody**

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Collagen Type I (COL1)
Reactivity:	Human, Rat, Mouse, Cow, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen Type I antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Collagen alpha-1(I) chain
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Collagen Type I (COL1)
Alternative Name:	Collagen I (COL1 Products)
Background:	Synonyms: Collagen type I, Alpha 1 type I collagen, Alpha 2 type I collagen, COL1A1, COL1A2, Collagen I alpha 1 polypeptide, Collagen I alpha 2 polypeptide, Collagen Of Skin Tendon And Bone, Collagen Type 1, Collagen type I alpha 1, Collagen type I alpha 2, OI4, Osteogenesis

Target Details

Imperfecta Type IV, Pro alpha 1I collagen, Type I procollagen, CO1A1_HUMAN.

Background: Collagens are highly conserved throughout evolution and are characterised by an uninterrupted "Glycine X Y" triplet repeat that is a necessary part of the triple helical structure. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for Platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor.

Molecular Weight: 161kDa

Gene ID: 1277

Application Details

Application Notes: WB (1:100-500),IHC-P (1:100-500),IF (p) (1:100-500)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months