

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

COL1A2 RABBIT PAB

Cat.#: S216343

Product Name: Anti-COL1A2 Rabbit Polyclonal Antibody

Synonyms: OI4; EDSCV; EDSARTH2

UNIPROT ID: P08123 (Gene Accession - BC042586)

Background: This gene encodes the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.

Immunogen: Fusion protein of human COL1A2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

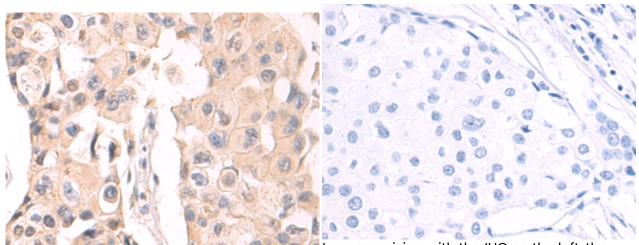
Research Areas: Signal Transduction, Stem Cells

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



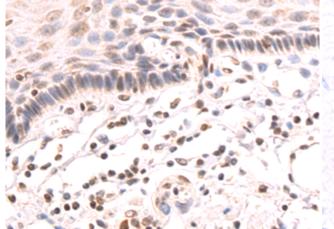
Product Description

Pioneering GTPase and Oncogene Product Development since 2010



Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 216343(COL1A2 Antibody) at a dilution of 1/55(Cytoplasm or Nucleus).

In comparision with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the fusion protein and then with 216343(Anti-COL1A2 Antibody) at dilution 1/55.



The image on the left is immunohistochemistry of paraffinembedded Human esophagus cancer tissue using 216343(Anti-COL1A2 Antibody) at a dilution of 1/55. In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with fusion protein and then with D220244(Anti-COLIA2 Antibody) at dilution 1/55.