NewEast Biosciences

Pioneering GTPase and Oncogene Product Development since 2010

COL5A1 RABBIT PAB

Cat.#: S222368

Product Name: Anti-COL5A1 Rabbit Polyclonal Antibody

Synonyms: EDSC; EDSCL1

UNIPROT ID: P20908 (Gene Accession - NP_000084)

Background: This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. The encoded procollagen protein occurs commonly as the heterotrimer pro-alpha1(V)-pro-alpha1(V)-pro-alpha2(V). Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. Alternative splicing of this gene results in multiple transcript variants.

Immunogen: Synthetic peptide of human COL5A1

Applications: ELISA, IHC

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

Host Species: Rabbit

Clonality: Rabbit Polyclonal
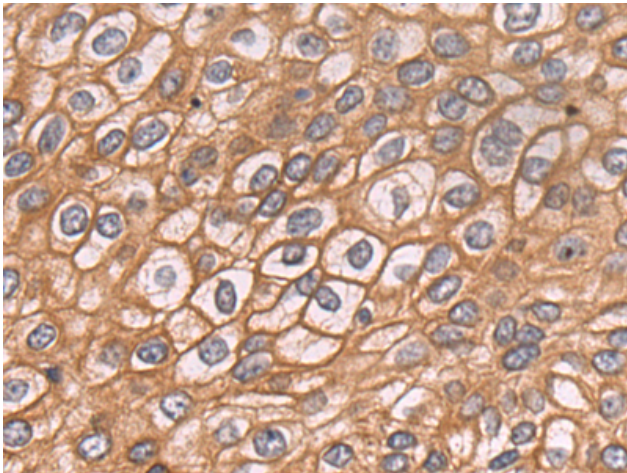
Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification
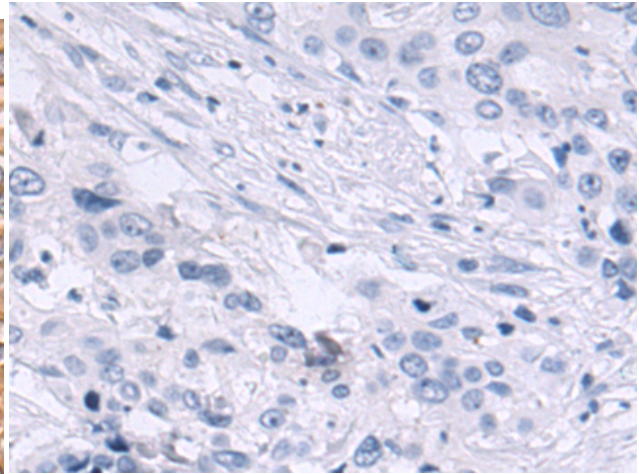
Species Reactivity: Human, Rat

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

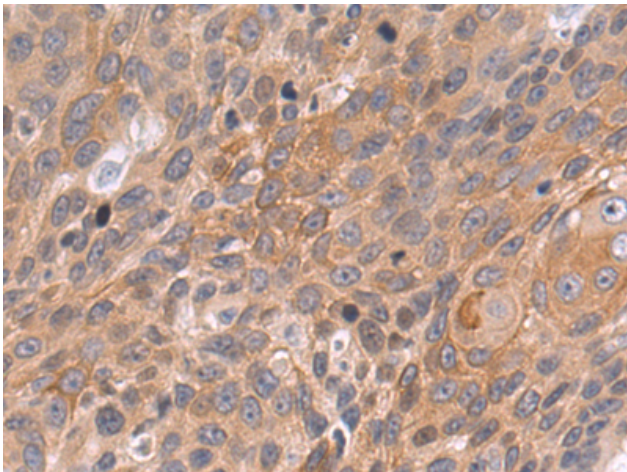**Research Areas:** Signal Transduction

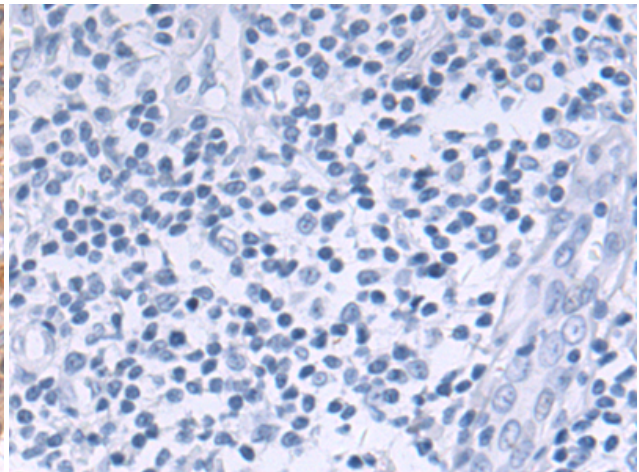**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing

Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 222368(COL5A1 Antibody) at a dilution of 1/50(Secreted).

In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 222368(Anti-COL5A1 Antibody) at dilution 1/50.

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 222368(Anti-COL5A1 Antibody) at a dilution of 1/50.

In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D264482(Anti-COL5A1 Antibody) at dilution 1/50.