Product datasheet for TA323738

Collagen I (COL1A2) Rabbit Polyclonal Antibody

Product data:

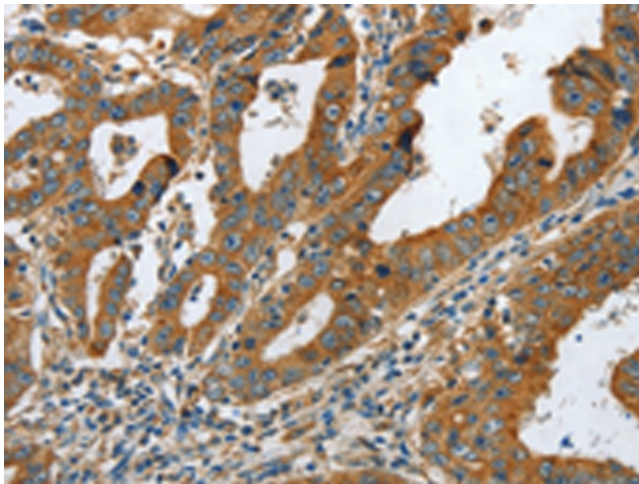|	
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human gasrtic cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 1133-1366 amino acids of human collagen, type I, alpha 2
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	collagen type I alpha 2 chain
Database Link:	NP_000080 Entrez Gene 12843 Mouse Entrez Gene 84352 Rat Entrez Gene 1278 Human P08123

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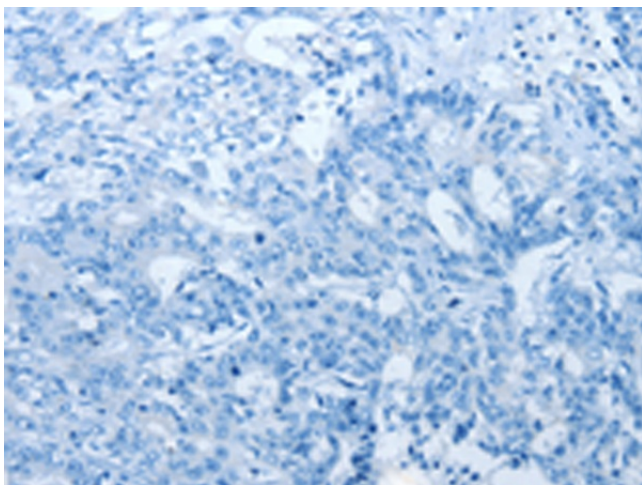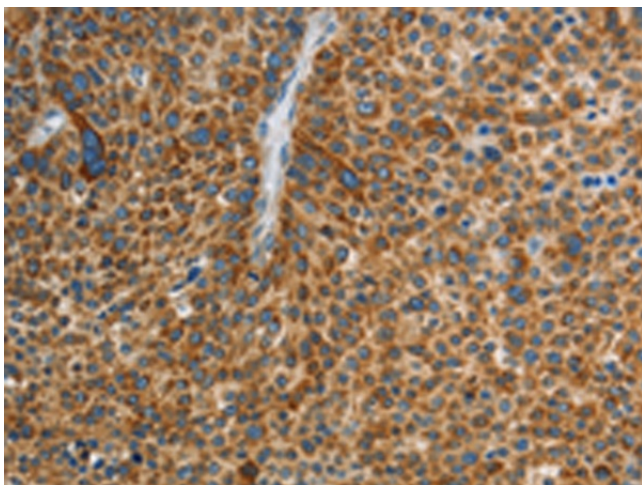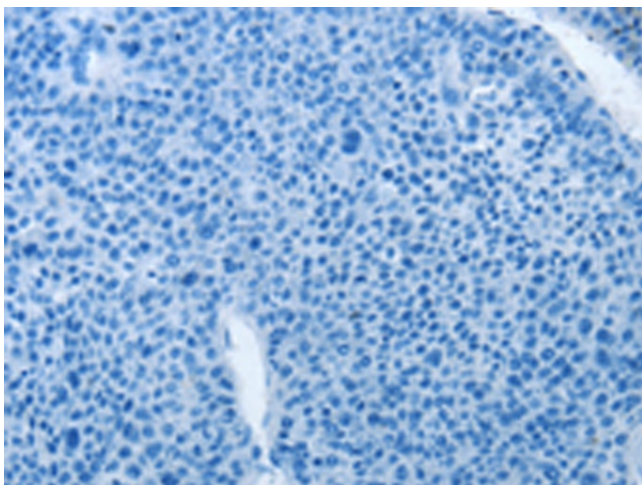|	
Background:	This gene encodes the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated 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.?
Synonyms:	OI4
Protein Families:	Druggable Genome
Protein Pathways:	ECM-receptor interaction, Focal adhesion

Product images:

Immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using TA323738 (COL1A2 Antibody) at dilution 1/20 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using TA323738 (COL1A2 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323738 (COL1A2 Antibody) at dilution 1/20 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323738 (COL1A2 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)