

Collagen I mouse Monoclonal Antibody(4H10)

Description

Product type	Primary Antibody
Code	BT-MCA0352
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Collagen I
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Collagen alpha-1(I) chain
Synonyms	Collagen alpha-1(I) chain; Alpha-1 type I collagen

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes the pro-alpha 1 chains of type I collagen whose triple helix comprises two alpha 1 chains and one alpha 2 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 VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease 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. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.

Recommended Dilution

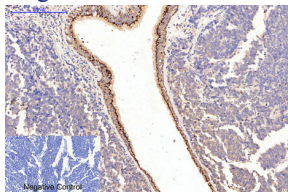
IF: 1:50-200

IHC-p: 1:50-300

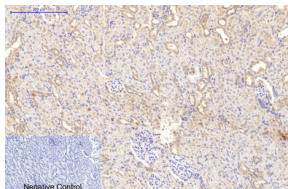
WB: 500-2000

Not yet tested in other applications.

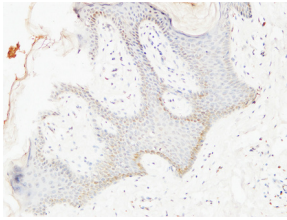
Images



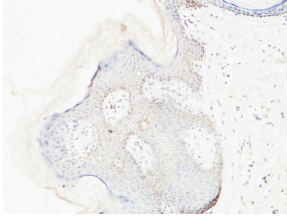
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1.Collagen I Mouse Monoclonal antibody(4H10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



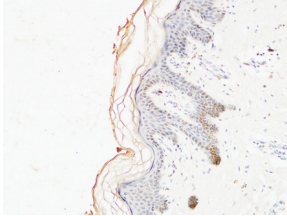
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.Collagen I Mouse Monoclonal antibody(4H10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human skin.1.Antibody was diluted at 1:200(4°C overnight). 2.High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human skin.1.Antibody was diluted at 1:200(4°C overnight). 2.High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human skin.1.Antibody was diluted at 1:200(4°C overnight). 2.High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature, 30min).

Storage

-20°C for one year

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