Product Datasheet

Collagen VI Rabbit mAb

Catalog No: #49207

Package Size: #49207-1 50ul #49207-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

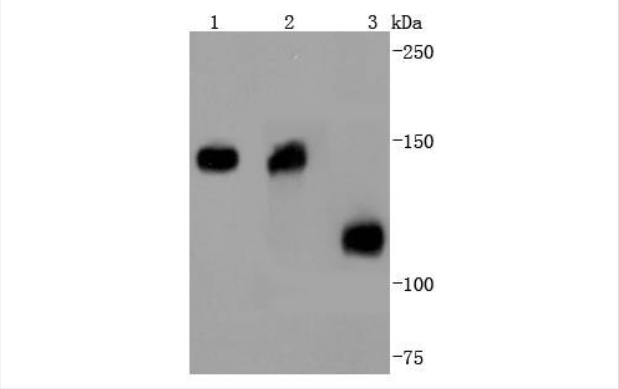
Description

Product Name	Collagen VI Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD83-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Alpha 1 (VI) chain (61 AA) antibody CO6A1_HUMAN antibody COL6A1 antibody COL6A2 antibody COL6A3 antibody Collagen alpha 2(VI) chain antibody Collagen alpha 3(VI) chain antibody Collagen alpha-1(VI) chain antibody Collagen type VI alpha 1 antibody Collagen type VI alpha 2 antibody Collagen type VI alpha 3 antibody Collagen VI alpha 1 polypeptide antibody Collagen VI alpha 2 polypeptide antibody Collagen VI alpha 3 polypeptide antibody CollagenVI antibody Human mRNA for collagen VI alpha 2 C terminal globular domain antibody OPLL antibody PP3610 antibody
Accession No.	Swiss-Prot#:P12109
Uniprot	P12109
GeneID	1291;
Calculated MW	134/109 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

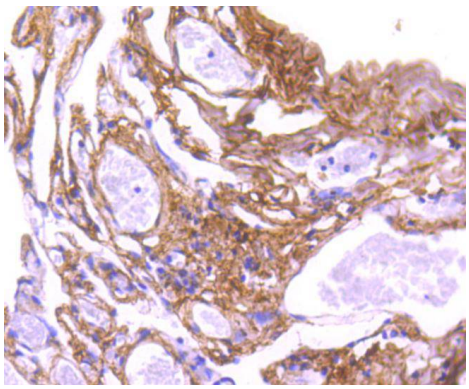
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:100-1:500

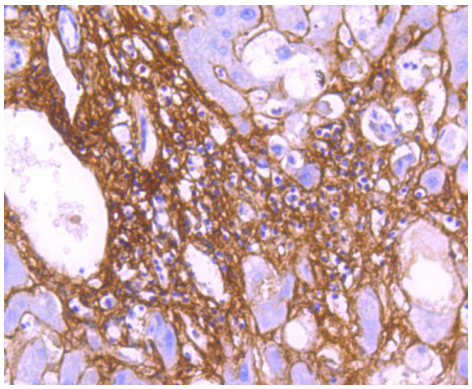
Images



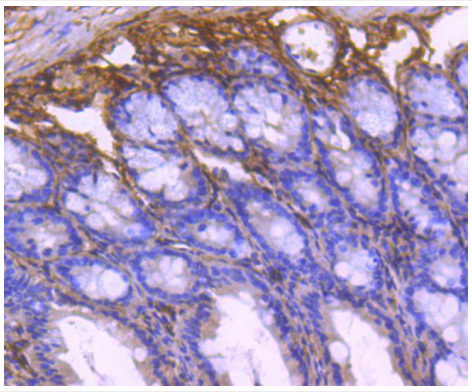
Western blot analysis of Collagen VI on different lysates using anti-Collagen VI antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse heart Lane 2: Human heart Lane 3: Human kidney



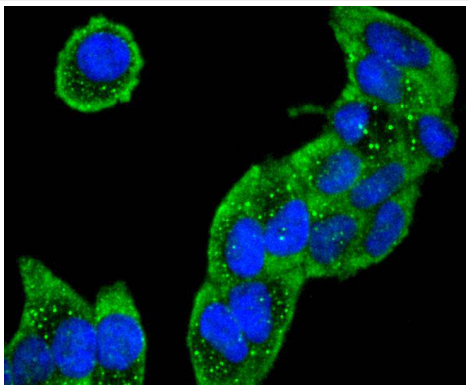
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



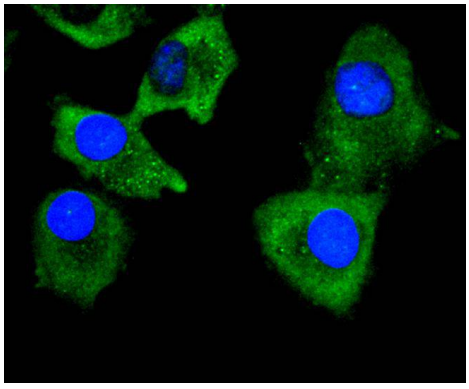
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



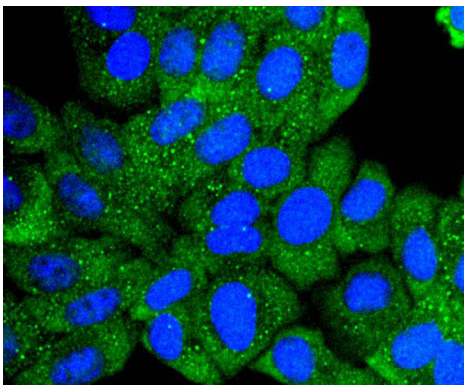
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



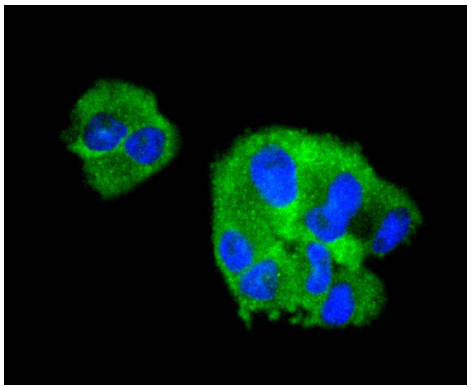
ICC staining Collagen VI in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Collagen VI in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Collagen VI in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Collagen VI in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

This antibody is well suited to detect extracellular matrix proteins in normal as well as disease state tissues. Disruption of tissue organization is the hallmark of neoplasia. Malignant lesions can be distinguished from benign by examining the breakdown of basement membranes and loss of 3-dimensional architecture. Malignant cells are presumed to use matrix metalloproteases to degrade barriers created by the extracellular matrix which then allows metastasis to occur. Collagenases, stomelysins and gelatinases can collectively degrade all of the various components of the extracellular matrix, including fibrillar and non-fibrillar collagens and basement membrane glycoproteins.

References

Note: This product is for in vitro research use only