

Anti -Vimentin Rabbit pAb

GB11192 100µL -20°C

Product Information

Description	Vimentin rabbit polyclonal antibody
Protein full name	Vimentin
Synonyms	VIM, CTRCT30, HEL113, vimentin
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse vimentin
Isotype	IgG
Purity	Affinity purification
Subcellular location	Cytoplasm
Predicted MW.	57 kDa
Observed MW.	57 kDa
Uniprot ID	P08670,P20152,P31000

Applications

Applications	Species	Dilution	Positive Sample
WB	Human, Mouse, Rat	1: 500-1: 1000	lung
IHC/IF	Human, Mouse, Rat	1: 200-1: 1000	colon, lung cancer, ovarian cancer
ICC/IF	Human, Mouse	1: 200-1: 1000	HeLa cell, NIH/3T3 cell

Background

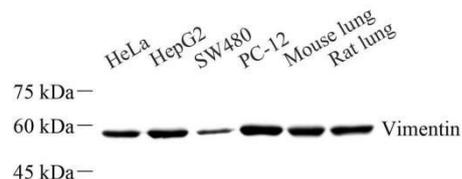
Vimentin is a type III intermediate filament (IF) protein that is expressed in mesenchymal cells. IF proteins are found in all metazoan cells as well as bacteria. IF, along with tubulin-based microtubules and actin-based microfilaments, comprises the cytoskeleton. All IF proteins are expressed in a highly developmentally-regulated fashion; vimentin is the major cytoskeletal component of mesenchymal cells. Because of this, vimentin is often used as a marker of mesenchymally-derived cells or cells undergoing an epithelial-to-mesenchymal transition (EMT) during both normal development and metastatic progression.

Storage

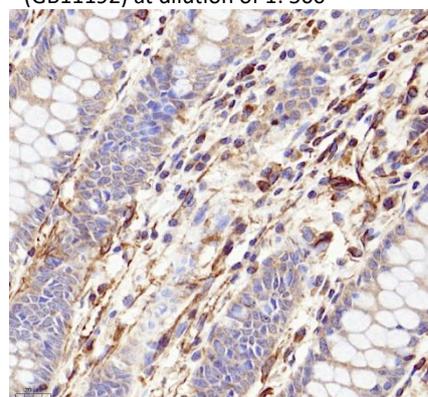
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02%sodium azide,100 µg/ml BSA and 50% glycerol.

NOTE:1.This product is intended for research only.
2.This product is recommended to dilute with the Primary Antibody Dilution Buffer.

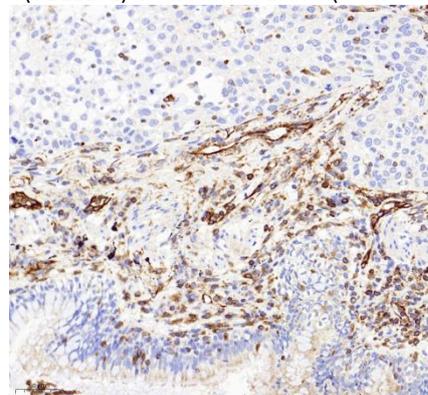
Images



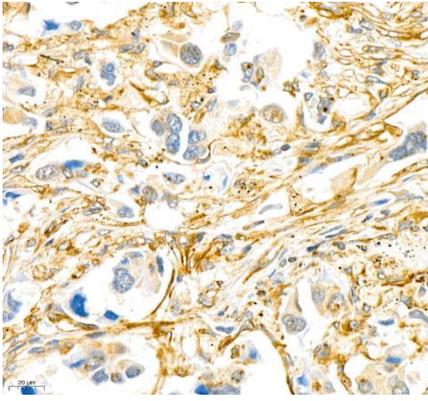
Western blot analysis of Vimentin (GB11192) at dilution of 1: 500



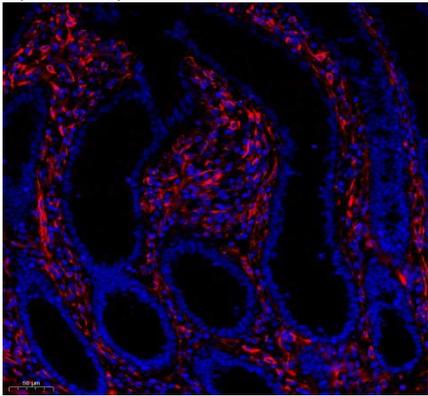
Immunohistochemistry of paraffin embedded human colon using vimentin (GB11192) at dilution of 1: 500 (400x lens)



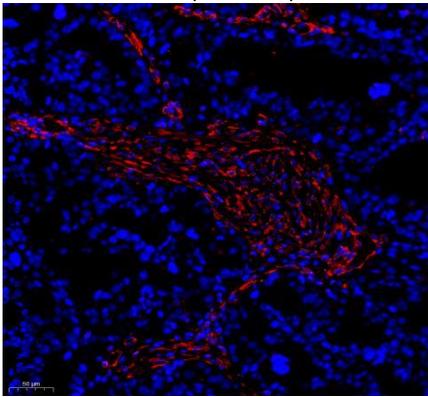
Immunohistochemistry of paraffin embedded human breast cancer using vimentin (GB11192) at dilution of 1: 500 (200x lens)



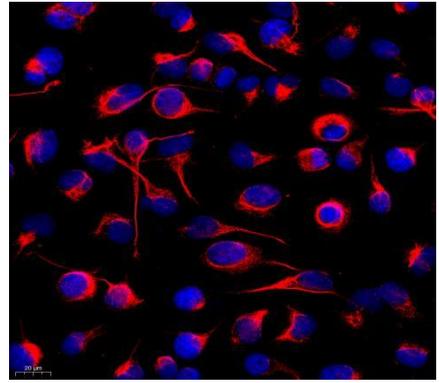
Immunohistochemistry of paraffin embedded human breast cancer using vimentin (GB11192) at dilution of 1: 400 (400x lens)



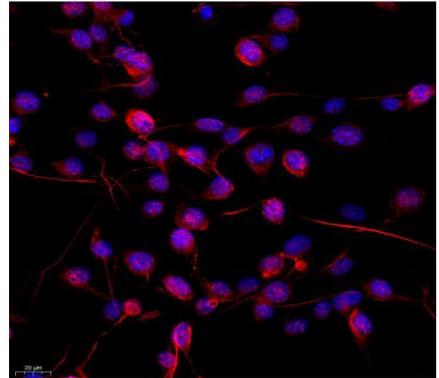
Immunofluorescence of paraffin embedded human colon using vimentin (GB11192) at dilution of 1: 500 (200x lens)



Immunofluorescence of paraffin embedded human ovarian cancer using vimentin (GB11192) at dilution of 1: 400 (200x lens)



Immunocytochemistry analysis of 4% paraformaldehyde-fixed HeLa cell using Vimentin (GB11192) at dilution of 1: 800



Immunocytochemistry analysis of 4% paraformaldehyde-fixed NIH/3T3 cell using Vimentin (GB11192) at dilution of 1: 800