

À des fins de recherche uniquement

Anticorps Monoclonal anti-Vimentin



Numéro de catalogue: 60330-1-Ig

Phare

180 Publications

Informations de base

Numéro de catalogue: 60330-1-Ig	Numéro d'acquisition GenBank: BC000163	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 7431	CloneNo.: 3H9D1
Hôte: Mouse	Nom complet: vimentin	Dilutions recommandées: WB 1:20000-1:100000 IHC 1:4000-1:16000 IF 1:500-1:2000
Isotype: IgG1	MW calculé: 466 aa, 54 kDa	
Immunogen Catalog Number: AG0489	MW observés: 55-60 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules A549, cellules Jurkat, cellules NIH/3T3, cellules ROS1728, cellules U-251, cellules U2OS

IHC : tissu d'appendicite humain, tissu d'amygdalite humaine, tissu de cancer de l'endomètre humain, tissu de cancer du foie humain, tissu de cancer du sein humain, tissu de carcinome à cellules rénales humaine, tissu de côlon humain, tissu de tumeur ovarienne humaine, tissu pancréatique humain

IF : cellules HUVEC, cellules HepG2

Informations générales

Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor- α (TNF α ; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092), suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wenjing Guo	33117682	Front Oncol	WB
Jianmin Li	32989231	Lab Invest	WB
Bingyu Xie	36179941	Mol Cell Endocrinol	WB,IF

Stockage

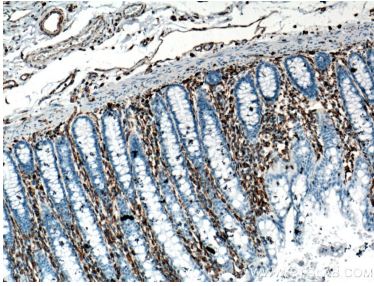
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

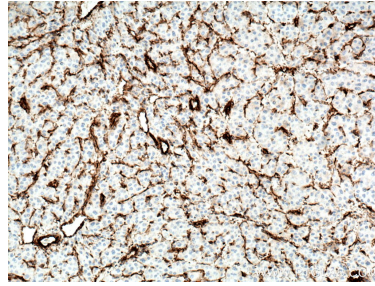
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

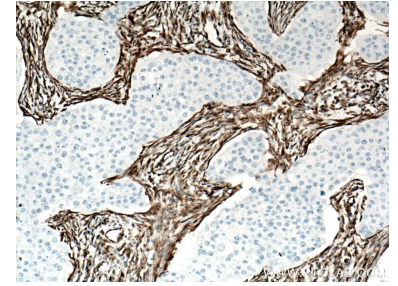
Données de validation sélectionnées



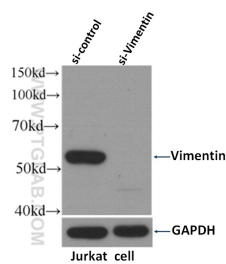
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60330-1-Ig (Vimentin antibody) at dilution of 1:102400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



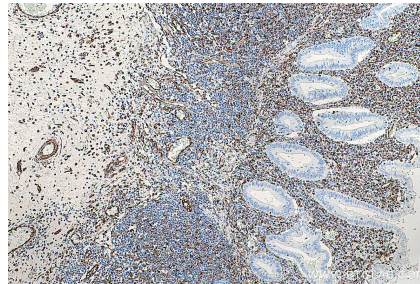
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60330-1-Ig (Vimentin antibody) at dilution of 1:6400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



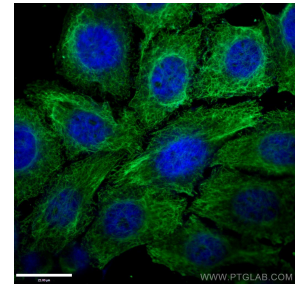
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60330-1-Ig (Vimentin antibody) at dilution of 1:8000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



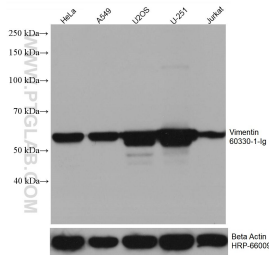
WB result of Vimentin antibody (60330-1-Ig, 1:4000) with si-Control and si-Vimentin transfected Jurkat cells.



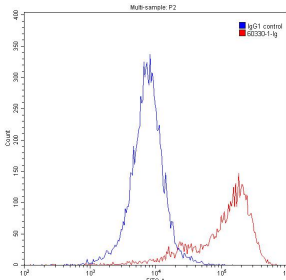
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60330-1-Ig (Vimentin antibody) at dilution of 1:8000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



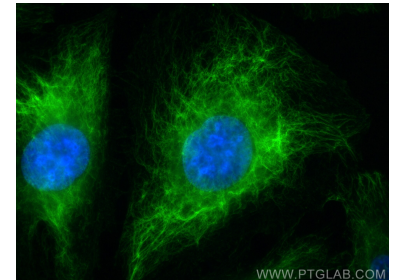
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 60330-1-Ig (Vimentin antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 60330-1-Ig (Vimentin antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



1×10^6 Jurkat cells were stained with 0.2 ug Anti-Human Vimentin (60330-1-Ig, Clone:3H9D1) and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1500 (red), or stained with 0.2 ug isotype control and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1500 (blue). Cells were fixed with 90% MeOH.



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using Vimentin antibody (60330-1-Ig, Clone: 3H9D1) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).