

Nur für Forschungszwecke

Vimentin Rekombinanter Antikörper



Katalog-Nr.:80232-1-RR

Vorgestelltes Produkt

Allgemeine Informationen

Katalog-Nr.: 80232-1-RR	GenBank-Zugangsnummer: BC000163	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 7431	CloneNo.: 6K21
Wirt: Kaninchen	Vollständiger Name: vimentin	Empfohlene Verdünnungen: WB 1:20000-1:100000 IHC 1:1250-1:5000 IF 1:200-1:800
Isotyp: IgG	Berechnete Masse: 466 aa, 54 kDa	
Immunogen Katalognummer: AG0489	Beobachtete Masse: 50-55 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : MCF-7-Zellen, 4T1-Zellen, A549-Zellen, HeLa-Zellen, NIH/3T3-Zellen, ROS1728-Zellen, U-251-Zellen, U2OS-Zellen

IHC : humanes Mammakarzinomgewebe, humanes Leberkarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

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-alpha (TNFA; 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. Isoforms of vimentin (49 kDa and 60 kDa) had also been reported. (PMID: 8640945, 22728585).

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern.

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

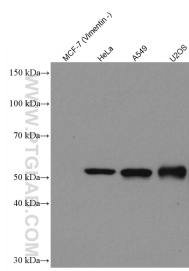
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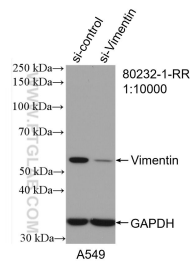
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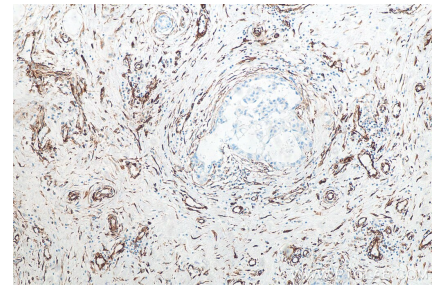
Ausgewählte Validierungsdaten



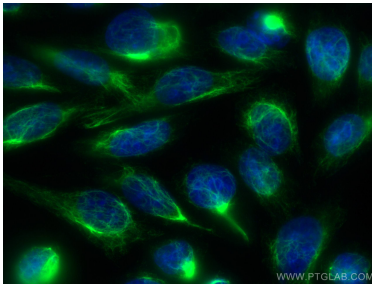
Various lysates were subjected to SDS PAGE followed by western blot with 80232-1-RR (Vimentin antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



WB result of Vimentin antibody (80232-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Vimentin transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80232-1-RR (Vimentin antibody) at dilution of 1:2500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Vimentin antibody (80232-1-RR, Clone: 6K21) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).