

Recombinant Vimentin Monoclonal Antibody

Catalog Number:E-AB-81438



Note: Centrifuge before opening to ensure complete recovery of vial contents.

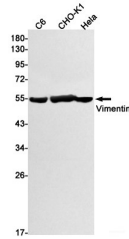
Description

Reactivity	Human,Mouse,Rat,Hamster
Immunogen	A synthetic peptide of human Vimentin
Host	Rabbit
Isotype	IgG
Clone	R02-8C4
Purification	Affinity Purified
Conjugation	Unconjugated
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

Applications Recommended Dilution

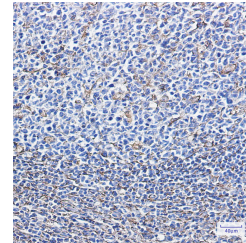
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50-1:100

Data

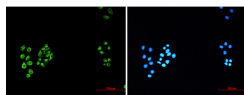


Western blot detection of Vimentin in C6,CHO-K1,HeLa cell lysates using Vimentin Rabbit mAb(1:1000 diluted).Predicted band size:54kDa.Observed band size:54kDa.

Observed Mw:54kDa
Calculated Mw:54kDa



Immunohistochemistry of Vimentin in paraffin-embedded Human tonsil using Vimentin Rabbit mAb at dilution 1:100



Immunofluorescence of Vimentin (green) in HeLa using Vimentin antibody at dilution 1:20, and DAPI(blue)

Preparation & Storage

For Research Use Only

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Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

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.

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