

Recombinant Vimentin Monoclonal Antibody

catalog number: **E-AB-81438**

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

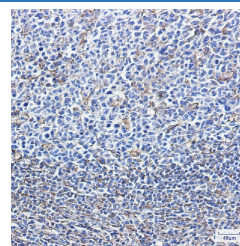
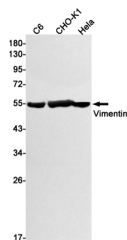
Description

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

Applications

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50-1:100

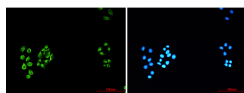
Data



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:54 kDa

Calculated-MW:54 kDa



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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.

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