Recombinant Vimentin Monoclonal Antibody

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

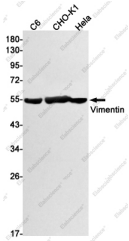
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat;Hamster
Immunogen	A synthetic peptide of human Vimentin
Host	Rabbit
Isotype	Rabbit IgG
Clone	C113224
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

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

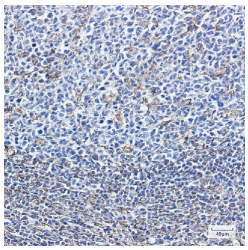
Data



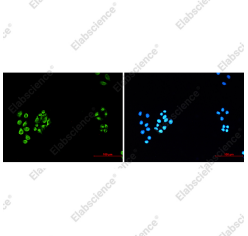
Western blot detection of Vimentin in C6,CHO-K1,Hela cell lysates using Vimentin Rabbit mAb(1:1000 diluted).Predicted band size:54kDa.Observed band size:54kDa.

Observed-MW:54 kDa

Calculated-MW:54 kDa



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

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

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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