

U-Blot[®] Phospho-Vimentin (Ser39) Rabbit mAb (WT9106)

User Manual

General Information

Product name	U-Blot [®] Phospho-Vimentin (Ser39) Rabbit mAb
Product No.	WT9106
Clonality	Recombinant monoclonal
Clone Number	W-R74
Alternative name	VIM

Key Features

Target	Phospho-Vimentin (Ser39)
Reactivity	Human, Mouse, Rat
Applications	WB
MW(Calculated)	54 kDa
MW(Observed)	56 kDa
Host Species	Rabbit
Isotype	IgG/Kappa
Conjugate	Unconjugated
Modification	Phosphorylation
Modification Site	Ser39
Purification	Protein A affinity purification
Immunogen	Polypeptide
Specificity	Specific for Vimentin only when phosphorylated at Ser39

Storage Information

Storage	Store at -20°C. Avoid repeated freeze-thaw cycles
Stability	Stable for 12 months from date of receipt / reconstitution.
Formulation	PBS, Glycerol, BSA

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:1000	Human, Mouse, Rat

Target Information

Gene name	VIM
Protein name	Vimentin
Organism	Human
Gene ID	7431
SwissProt	P08670

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) and inhibited by the antiinflammatory cytokine IL10, 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.

Cellular Localization	Cytoplasm, Cytoskeleton, Nucleus, Membrane
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