

U-Blot[®] Phospho-(Ser/Thr) PDK1 Docking Motif Mouse mAb (WT9056)

User Manual

General Information

Product name	U-Blot [®] Phospho-(Ser/Thr) PDK1 Docking Motif Mouse mAb
Product No.	WT9056
Clonality	Recombinant monoclonal
Clone Number	W-R31

Key Features

Target	Phospho-(Ser/Thr) PDK1 Docking Motif
Reactivity	Human
Applications	WB
MW(Calculated)	All kDa
MW(Observed)	/
Host Species	Mouse
Isotype	IgG2a/Kappa
Conjugate	Unconjugated
Modification	Phosphorylation
Modification Site	Serine/Threonine residues in the PDK1 docking motif
Purification	Protein A affinity purification
Immunogen	Polypeptide

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	1:500-1000	Human

Target Information

Many critical protein kinases can be regulated by phosphorylation at a specific serine or threonine in a hydrophobic motif. For example, Akt, a kinase that regulates cell survival, is activated by phosphorylation at Ser473, a site preceded by Phe at -4 and -1 and followed by Tyr at +1. RSK2, p70 S6 kinase and certain PKC isoforms also contain a similar consensus phosphorylation motif. Phosphorylation of these motifs is required for binding to 3-phosphoinositide dependent kinase 1 (PDK1). Phospho-(Ser/Thr) PDK1 Docking Motif Mouse mAb is a powerful tool for the characterization of phosphorylated PDK1 docking motifs and the identification of new proteins with PDK1 docking motifs.

Background

Cellular Localization

For Research Use Only. Not for Use in Diagnostic Procedures.