

U-Blot[®] Phospho S6 Ribosomal Protein (Ser235/236) Rabbit mAb (WT9054)

User Manual

General Information

Product name	U-Blot [®] Phospho S6 Ribosomal Protein (Ser235/236) Rabbit mAb
Product No.	WT9054
Clonality	Recombinant monoclonal
Clone Number	W-R29
Alternative name	RPS6, RS6, S6

Key Features

Target	Phospho-S6 Ribosomal Protein (Ser235/Ser236)
Reactivity	Human, Mouse
Applications	WB, ICC/IF
MW(Calculated)	32 kDa
MW(Observed)	32 kDa
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Phosphorylation
Modification Site	Ser235/Ser236
Purification	Protein A
Immunogen	Polypeptide
Specificity	Specific for S6 Ribosomal Protein only when phosphorylated at Ser235/Ser236

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, Mouse
ICC/IF	1:100-300	Human

Target Information

Gene name	RPS6
Protein name	40S ribosomal protein S6
Organism	Human
Gene ID	6194
SwissProt	P62753

Background	Phosphorylation of S6 ribosomal protein correlates with an increase in translation of mRNA transcripts that contain an oligopyrimidine tract in their 5' untranslated regions. These particular mRNA transcripts (5'TOP) encode proteins involved in cell cycle progression, as well as ribosomal proteins and elongation factors necessary for translation. Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, and Ser244) located within a small, carboxy terminal region of S6 protein.
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Cellular Localization	Cytoplasm, Nucleus
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