

U-Blot[®] Phospho S6 Ribosomal Protein (Ser235/236) Mouse mAb (WT9053)

User Manual

General Information

Product name	U-Blot [®] Phospho S6 Ribosomal Protein (Ser235/236) Mouse mAb
Product No.	WT9053
Clonality	Recombinant monoclonal
Clone Number	W-R28

Key Features

Target	Phospho-S6 Ribosomal Protein (Ser235/Ser236)
Reactivity	Human
Applications	WB, ICC/IF
MW(Calculated)	32 kDa
MW(Observed)	32 kDa
Host Species	Mouse
Isotype	Ig2B/Kappa
Conjugate	Unconjugated
Modification	Phosphorylation
Purification	Protein G
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
ICC/IF	1:50	Human

Target Information

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

Background

Ribosomal protein S6 (rpS6 or eS6) is a component of the 40S ribosomal subunit and is therefore involved in translation. Mouse model studies have shown that phosphorylation of eS6 is involved in the regulation of cell size, cell proliferation, and glucose homeostasis. Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, and Ser244) located within a small, carboxy-terminal region of the S6 protein.

Cellular Localization

Cytosol, Endoplasmic reticulum, Nucleus

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