

U-Blot® Phospho-p53 (Ser15) Mouse mAb (WT9086)

User Manual

General Information

Product name	U-Blot® Phospho-p53 (Ser15) Mouse mAb
Product No.	WT9086
Clonality	Recombinant monoclonal
Clone Number	W-R58
Alternative name	TP53, cellular tumor antigen p53

Key Features

Target	Phospho-p53 (Ser15)
Reactivity	Human
Applications	WB, ICC/IF
MW(Calculated)	44 kDa
MW(Observed)	53 kDa
Host Species	Mouse
Isotype	IgG1/Kappa
Conjugate	Unconjugated
Modification	Phosphorylation
Modification Site	Ser15
Purification	Protein A affinity purification
Immunogen	Polypeptide
Specificity	Specific for p53 only when phosphorylated at Ser15

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	TP53
Protein name	Tumor protein p53
Organism	Human
Gene ID	7157
SwissProt	P04637

Background

Tumor protein P53, also known as p53, cellular tumor antigen p53, is an isoform of a protein encoded by homologous genes in various organisms. p53 is crucial in multicellular vertebrates, where it prevents cancer formation. As such, p53 has been described as "the guardian of the genome" because of its role in conserving stability by preventing genome mutation. Hence TP53 is classified as a tumor suppressor gene.

Cellular Localization	Nucleus, Cytoplasm
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