

U-Blot[®] Pan-Phospho-Tyrosine Rabbit mAb-BSA and Azide free (WT9124R)

User Manual

General Information

Product name	U-Blot [®] Pan-Phospho-Tyrosine Rabbit mAb-BSA and Azide free
Product No.	WT9124R
Clonality	Monoclonal
Clone Number	W-R16
Alternative name	P-Tyr

Key Features

Target	Phospho-Tyrosine
Reactivity	Human, Mouse ,Rat
Applications	WB
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Tyrosine Phosphorylation
Modification Site	Tyr (Y)
Purification	Protein A
Immunogen	Polypeptide

Storage Information

Storage

Upon delivery centrifugate. Reconstitute with 100 μ L distilled water (1.0 mg/mL after restoration). Aliquot and store at -80 °C. Avoid freeze / thaw cycles.

Stability

Stable for 12 months from date of receipt / reconstitution

Formulation

PBS

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:1000	All
IHC-P	1:100-1:200	Human, Mouse
ICC/IF	1:100-1:200	Human
FC	1:100-1:200	Human

Target Information

Background

Phospho-Tyrosine (pY) is a widely occurring post-translational modification on tyrosine residues in eukaryotic cells. This modification is catalyzed by protein tyrosine kinases (PTKs), which covalently attach a phosphate group to the phenolic hydroxyl group of tyrosine, and can be reversibly removed by protein tyrosine phosphatases (PTPs). Tyrosine phosphorylation serves as a core mechanism in cellular signal transduction, regulating cell proliferation, differentiation, apoptosis, migration, and metabolism. Dysregulation of tyrosine phosphorylation is closely associated with tumorigenesis, immune disorders, neurodegenerative diseases, and other pathological conditions, making it a critical target in cell signaling and therapeutic drug development.

Cellular Localization

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