

U-Blot[®] Pan-Phospho-Tyrosine Rabbit mAb (WT9016)

User Manual

General Information

Product name	U-Blot [®] Pan-Phospho-Tyrosine Rabbit mAb
Product No.	WT9016
Clonality	Monoclonal
Alternative name	P-Tyr

Key Features

Target	Phospho-Tyrosine
Reactivity	Species Independent
Applications	WB, IHC-P, ICC/IF, FC
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	Store at -20°C. Avoid repeated freeze-thaw cycles
Stability	Stable for 12 months from date of receipt / reconstitution
Formulation	0.01% NaN ₃ , PBS, 60% Glycerol, BSA

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

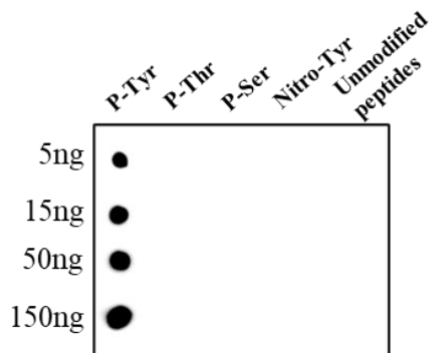
Phospho-Tyrosine (pY) is a widely occurring post-translational modification on tyrosine residues in eukaryotic cells. This modification is catalyzed by protein tyrosine kinases (PTKs), which covalently attach a phosphate group to the phenolic hydroxyl group of tyrosine, and can be reversibly removed 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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Images

Dot Blot



Blocking buffer: 5% BSA

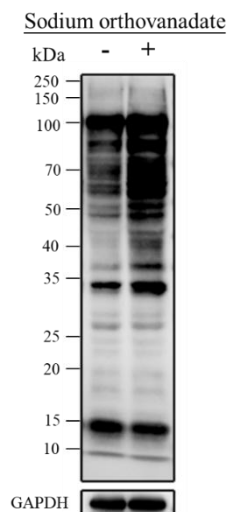
Primary antibody dilution: 1:2000

Primary antibody incubation condition: Overnight at 4°C

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 2 seconds

WB



Samples:(-): A549, **(+):** A549+Na₃VO₄(1mM, 30min)

Protein loading amount: 20 µg

Gel concentration: 11%

Blocking buffer: 5% BSA

Primary antibody dilution: 1:1000

Primary antibody incubation: Overnight at 4°C

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 40 seconds

Predicted band size: Multiple

Observed band size: Multiple

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