

U-Blot® Pan-Phospho-Serine Rabbit pAb (WT9181)

User Manual

General Information

Product name	U-Blot® Pan-Phospho-Serine Rabbit pAb
Product No.	WT9181
Clonality	Polyclonal

Key Features

Target	Phospho-Serine
Reactivity	Species Independent
Applications	ELISA, WB, IHC, IP
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Serine phosphorylation
Purification	Affinity purified with serine-phosphorylated peptide immobilized on agarose
Immunogen	Phospho-serine KLH and phosvitin mixture
Specific	The antibody recognizes proteins and peptides phosphorylated on serine residues. There are no cross reactions with phospho tyrosine.

Storage Information

Storage	Product is stable for several weeks at 4°C. For extended storage, store product at -20°C.
Stability	Stable for 12 months from date of receipt / reconstitution.
Formulation	250ug/mL antibody stored in PBS, 50% glycerol

Product Usage Information

Applications	Dilution
WB	1:250
ELISA	1:250
IP	10 µg/mg crude protein
IHC	1:50

Target Information

Serine phosphorylation is one of the most prevalent and reversible post-translational modifications in eukaryotic proteins. Catalyzed by kinases and reversed by phosphatases, this modification covalently attaches a phosphate group to the hydroxyl group of serine residues.

Background

It alters protein charge, conformation and intermolecular interactions, acting as a core molecular switch to regulate cell cycle, signal transduction, proliferation, differentiation, metabolism and immune response. Dysregulated serine phosphorylation is implicated in inflammation, cancer and multiple human diseases.

Cellular Localization

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