SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

Catalogue #	Aliquot Size
S95-65R-100	100 µg

Anti-Phosphoserine (Anti-pS)

Rabbit Polyclonal Antibody

Catalog # S95-65R

Lot # E360-3

Cited Applications

For WB, ELISA, IP, IHC

Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity

Recognizes peptides and proteins phosphorylated on serine residues.

Cross Reactivity

Pan-specific antibody. No reaction to phosphotyrosine peptides and proteins.

Host/Isotype/Clone#

Rabbit

Immunogen

Phosphoserine peptide-KLH conjugates

Formulation

PBS, 50% glycerol, pH7.

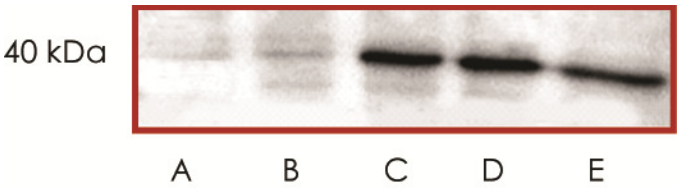
Stability

Store at 4^0C (add 0.1% NaN_3) for several months, and at -20^0C for longer periods. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles.

Scientific Background

Post-translational modification of proteins and peptides is a robust way to regulate function of existing proteins or peptides. Protein phosphorylation represents one the most abundant and important post-translational modifications of proteins. Phosphorylation on serine residues in proteins is performed by a variety of serine specific protein kinases in the cell which are involved in a wide variety of signaling networks. The Phospho-Serine antibody detects phosphorylation on serine residues in proteins and peptides.

Sample Data



Representative western blot of the phosphserine protein profile with Anti-Phosphoserine (1:250) using lysates of human melanoma cells (MMRU) (A), increased UV-treated MMRU (B, C, D) and UV-treated MMRU in phosphatase inhibitor condition(E).

Anti-Phosphoserine (Anti-pS)

Rabbit Polyclonal Antibody

Catalog Number	S95-65R
Specific Lot Number	E360-3
Purification	Affinity chromatography
Concentration	0.25 µg/µL
Stability	1yr at –20°C from date of shipment
Storage & Shipping	Store product at –20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
www.signalchem.com