

Rabbit Anti Phosphoserine Polyclonal Antibody

DPBT-68211RP Rabbit(Phosphoserine)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti PhosphoSerine
Immunogen	Keyhole Limpet Haemocyanin - phosphoserine conjugates
Host	Rabbit
Isotype	Polyclonal IgG
Species	Chemical
Conjugation	N/A
Applications	ELISA, IP, WB
Dilution	ELISA: 1/1000 - 1/2000

PACKAGING

Format	Ig fraction - liquid
Protein Concentration	IgG concentration 0.25mg/ml
Buffer	Phosphate Buffered Saline
Storage	Store at +4 centigrade or at -20 centigrade if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.01% Sodium azide 50% Gelatin/Glycerol
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	Phosphoserine is an ester of serine and phosphoric acid. Phosphoserine is a component of many proteins as the result of posttranslational modifications. The phosphorylation of the alcohol functional group in serine to produce phosphoserine is catalyzed by various types of kinases. Changes in the serine/threonine phosphorylation state of a protein in response to various external stimuli can have profound effects on cellular signal transduction, apoptosis and carcinogenesis. The reagents, including phosphorylated protein/peptides, antibodies against the phosphospecific amino acid, are important tools to explore the activation of serine, threonine or tyrosine containing proteins. An aberrant protein phosphorylation is a hallmark of human disease, and the enzymes, particularly protein kinases, which control protein phosphorylation are recognized as a major new drug target family.
Keywords	L-O-PHOSPHOSERINE; L-SERINE-O-PHOSPHATE; L-PHOSPHOSERINE; H-SER(PO ₃ H ₂)-OH; H-SER(P)-OH; H-SER(H ₂ PO ₃)-OH; PHOSPHOSERINE; O-PHOSPHORYL-L-SERINE; ERINE(PO ₃ H ₂)-OH; Dexfosfoserine; L-Phosphoserine Anhydrous; Phosphoserinebariumsalt; O-phosphoserine; Serine phosphate; L-O-(RG); Plasmenylserine; L-Serine monophosphoric acid; L-O-Serine phosphate; L-Serine, dihydrogen phosphate (ester); Seriphos; Fosforina; L-Serine O-phosphoric acid; L-SOP; 3-phospho-L-serine; 3-phosphoserine; 3-phospho-serine; P-serine; PHOSPHATIDYLETHANOLAMINE(EGG)(RG)