

Datasheet for 600-403-261**Phosphoserine Antibody Peroxidase Conjugated****Overview**

Description:	Anti-PhosphoSerine (pS) (RABBIT) Antibody Peroxidase Conjugated - 600-403-261
Item No.:	600-403-261
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Phosphoserine
Host Species:	Rabbit

Product Details

Background:	Anti-Phosphoserine Antibody recognizes phosphoserine, peptidyl-phosphoserine, and serine-phosphorylated proteins
Synonyms:	Phosphoserine [pS] reactive antibody, Phosphoserine [pS] polyclonal antibody, Phosphoserine antibody produced in rabbit
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Phosphoserine
Immunogen Type:	Other
Immunogen:	Anti-Phosphoserine antibody was prepared from whole rabbit serum produced by repeated immunizations with phosphoserine conjugated KLH.

Purity/Specificity: Anti-Phosphoserine was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated serine peptide coupled to agarose followed by conjugation to horseradish peroxidase and subsequent purification. Phosphoserine antibody detects proteins phosphorylated on serine residues. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Peroxidase. Reactivity is specific for phosphoserine and minimal cross reactivity is observed against phosphotyrosine or phosphothreonine.

Relevant Links:

- [600-403-261 SDS](#)

Application Details

Tested Applications: ELISA, WB

Application Note: HRP Conjugated Anti-Phosphoserine antibody is suitable for use in ELISA, immunohistochemistry, and western blotting assays. The antibody reacts specifically with phosphoserine and shows minimal reactivity by ELISA and western blotting with proteins containing phosphotyrosine or phosphothreonine residues. The antibody reacts with free phosphoserine, phosphoserine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphoserine in proteins of both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA and flow cytometry.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000

IHC: User Optimized

IP: User Optimized

WB: 1:500

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 0.25ug/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None. Do NOT add sodium azide!

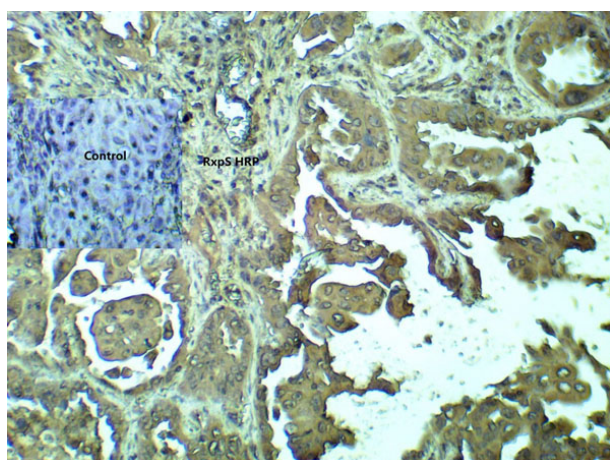
Stabilizer: 40% (v/v) Glycerol

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition:	Store pS antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Anti-PhosphoSerine (pS) Antibody
Peroxidase Conjugated using human lung cancer tissue.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.