

Datasheet for 600-403-262**Phosphotyrosine Antibody Peroxidase Conjugated****Overview**

Description:	Anti-PhosphoTyrosine (pY) (RABBIT) Antibody Peroxidase Conjugated - 600-403-262
Item No.:	600-403-262
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Phosphotyrosine
Host Species:	Rabbit

Product Details

Background:	The phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal mitogenesis, cell cycle progression.
Synonyms:	HRP Anti-Phospho-Tyrosine, PhosphoTyrosine (pY)reactive antibody, PhosphoTyrosine (pY) polyclonal antibody, PhosphoTyrosine antibody produced in rabbit
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Phosphotyrosine
Immunogen Type:	Other
Immunogen:	This affinity-purified antibody was prepared from whole rabbit serum produced by repeated immunizations with phosphotyrosine conjugated KLH.

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated tyrosine peptide coupled to agarose followed by conjugation to horseradish peroxidase and subsequent purification. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Peroxidase. Reactivity is specific for phosphotyrosine and minimal cross reactivity is observed against phosphothreonine or phosphoserine.
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Relevant Links:	• 600-403-262 SDS
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Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity-purified antibody is suitable for use in ELISA and western blotting assays. The antibody reacts specifically with phosphotyrosine and shows minimal reactivity by ELISA and western blotting with proteins containing phosphothreonine or phosphoserine residues. The antibody reacts with free phosphotyrosine, phosphotyrosine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphotyrosine proteins of both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA, flow cytometry and immunohistochemistry.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IHC:	10µg/mL
IP:	User Optimized
WB:	1:1,000

Formulation

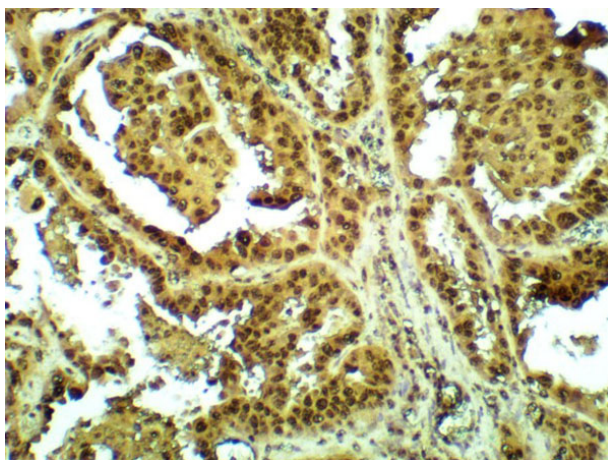
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition:	Store vial at -20° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Anti-PhosphoTyrosine (pY)
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.