

Datasheet for 600-401-262

Phosphotyrosine Antibody

Overview

Description:	Anti-PhosphoTyrosine (pY) (RABBIT) Antibody - 600-401-262
Item No.:	600-401-262
Size:	100 µg
Applications:	ELISA, IHC, IP, WB
Reactivity:	Phosphotyrosine
Host Species:	Rabbit

Product Details

Background:	Phosphotyrosine is the tyrosine amino acid that has been phosphorylated and is considered one of the integral steps in signal transduction and general enzyme activity. Tyrosine is phosphorylated through protein kinases and through phosphorylation, phosphotyrosine can bind other proteins causing binding of multi-protein complexes that connect the upstream kinases and downstream effectors. Phosphotyrosine-binding domains, or PTB's, are pervasive throughout the study of signal transduction and disease. Anti-Phosphotyrosine (pY) Antibody is ideal for investigators in Cancer, Signal Transduction, and Cell Signaling research.
Synonyms:	PhosphoTyrosine (pY) reactive antibody, PhosphoTyrosine (pY) polyclonal antibody, PhosphoTyrosine antibody produced in rabbit
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity: Anti-PhosphoTyrosine (pY) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated tyrosine peptide coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG. Reactivity is specific for phosphotyrosine and minimal cross reactivity is observed against phosphothreonine or phosphoserine.

Relevant Links:

- [600-401-262 SDS](#)

Application Details

Tested Applications: ELISA, IHC, IP, WB

Application Note: Anti-PhosphoTyrosine (pY) Antibody is tested for use in ELISA, western blotting, immunohistochemistry-P, immunoprecipitation, and Non-radioactive Tyrosine kinase assays. Anti-PhosphoTyrosine (pY) Antibody reacts specifically with phosphotyrosine and shows minimal reactivity by ELISA and western blotting with proteins containing phosphothreonine or phosphoserine residues. Anti-PhosphoTyrosine (pY) Antibody reacts with free phosphotyrosine, phosphotyrosine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphotyrosine in proteins of both unstimulated and stimulated cell lysates. Although not tested, Anti-PhosphoTyrosine (pY) 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: 1:1,000- 1:5,000

IHC: 1:50

IP: 10.0 µg/ 500 µg sample

WB: 1:500

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

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

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

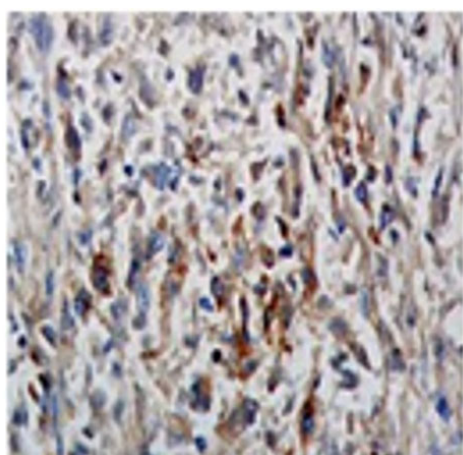
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store PhosphoTyrosine 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-PhosphoTyrosine (pY)
Antibody on human breast 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.