

Datasheet for 600-406-262**Phosphotyrosine Antibody Biotin Conjugated****Overview**

Description:	Anti-PhosphoTyrosine (pY) (RABBIT) Antibody Biotin Conjugated - 600-406-262
Item No.:	600-406-262
Size:	100 µg
Applications:	ELISA, IHC, IP, WB
Reactivity:	Phosphotyrosine
Host Species:	Rabbit

Product Details

Background:	Anti-PhosphoTyrosine detects phosphorylated Tyrosines. Tyrosine is one of the 22 amino acids that are used by cells to synthesize proteins. Tyrosine has a phenol group. It functions as a receiver of phosphate groups that are transferred by way of protein kinases. Phosphorylation of the hydroxyl group changes the activity of the target protein. Anti-PhosphoTyrosine Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Immunology, Cancer research and Signal Transduction research.
Synonyms:	PhosphoTyrosine (pY) reactive antibody, PhosphoTyrosine (pY) polyclonal antibody, PhosphoTyrosine antibody produced in rabbit
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Anti-PhosphoTyrosine was prepared from monospecific antiserum by immunoaffinity chromatography using phosphorylated tyrosine peptide coupled to agarose followed by conjugation to biotin and subsequent purification. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Biotin. Reactivity is specific for phosphotyrosine and minimal cross reactivity is observed against phosphothreonine or phosphoserine.
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Relevant Links:	• 600-406-262 SDS
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Application Details

Tested Applications:	ELISA, IHC, IP, WB
Application Note:	Anti-PhosphoTyrosine antibody is tested for use in ELISA, immunohistochemistry-P, IP, 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 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
FC:	User Optimized
IHC:	User Optimized
IP:	User Optimized
WB:	1:1,000

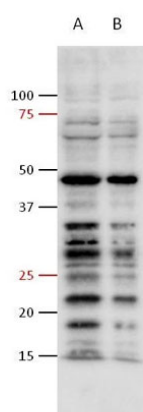
Formulation

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:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store Anti-pY 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



Western Blot

Western Blot of Anti-PhosphoTyrosine (pY) Antibody Biotin Conjugated.

Load: SP2/0 myeloma cells activated with FBS 10mins after serum free starvation overnight (Lane A: 12μL or Lane B: 4μL whole cell lysates).

Primary Antibody: Anti-PhosphoTyrosine (pY) Antibody Biotin Conjugated.

Secondary Antibody: Rabbit Anti-Biotin Peroxidase Conjugated.

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.