



Anti-ACID PHOSPHATASE (Potato) (RABBIT) Antibody Peroxidase Conjugated - 200-4340S

Code: 200-4340S

Size: 25 µL

Product Description: Anti-ACID PHOSPHATASE (Potato) (RABBIT) Antibody Peroxidase Conjugated - 200-4340S

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

Physical State: Liquid (sterile filtered)

Label	Peroxidase (Horseradish)								
Host	Rabbit								
Gene Name	PAP3								
Species Reactivity	Acid Phosphatase [potato]								
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2								
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!								
Storage Condition	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.								
Synonyms	rabbit anti-Acid Phosphatase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Acid Phosphatase Antibody, Acid phosphatase 1 soluble antibody, PAP3, Acid phosphatase of erythrocyte antibody, Adipocyte acid phosphatase antibody, Cytoplasmic phosphotyrosyl protein phosphatase antibody, HAAP antibody								
Application Note	Anti-Acid Phosphatase is suitable for ELISA, western blot, and immunohistochemistry. Optimal titers should be optimized by researchers.								
Background	Acid Phosphatase is a phosphatase, a type of enzyme, used to free attached phosphate groups from other molecules during digestion. It is basically a phosphomonoesterase. It is stored in lysosomes and functions when these fuse with endosomes, which are acidified while they function; therefore, it has an acid pH optimum. Different forms of acid phosphatase are found in different organs, and their serum levels are used to evaluate the success of the surgical treatment of prostate cancer.								
Purity And Specificity	Acid Phosphatase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunolectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Rabbit Serum as well as purified and partially purified Acid Phosphatase [Potato]. Cross reactivity against Acid Phosphatase from other tissues and species may occur but have not been specifically determined.								
Assay Dilutions	User Optimized								
Western Blot	1:250								
Other Assays	User Optimized								
Expiration	Expiration date is one (1) year from date of opening.								
Immunogen	Acid Phosphatase [Potato]								
Related Products	<table><tr><td>111-1102</td><td>Anti-RABBIT IgG (H&L) (GOAT) Antibody - 111-1102</td></tr><tr><td>611-1302</td><td>Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302</td></tr><tr><td>B501-0500</td><td>BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500</td></tr><tr><td>KCB003</td><td>HRP Western Blot Anti-Rabbit IgG Antibody - KCB003</td></tr></table>	111-1102	Anti-RABBIT IgG (H&L) (GOAT) Antibody - 111-1102	611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302	B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500	KCB003	HRP Western Blot Anti-Rabbit IgG Antibody - KCB003
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Related Links

[UniProtKB - Q6J5M8](#)

<http://www.uniprot.org/uniprot/Q6J5M8>

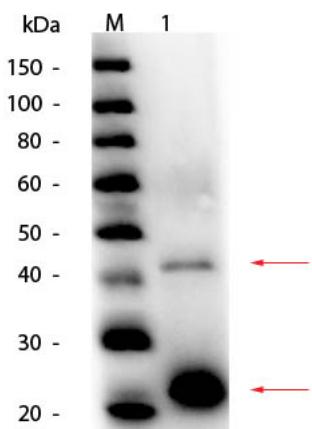
NCBI -
[AAT37528.1](http://www.ncbi.nlm.nih.gov/protein/AAT37528.1)

<http://www.ncbi.nlm.nih.gov/protein/AAT37528.1>

Images

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Western Blot of Acid Phosphatase (Potato) Antibody. Lane 1: Acid Phosphatase (Potato). Load: 50 ng per lane. Primary antibody: Acid Phosphatase Antibody at 1:1,000 overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 49 kDa/42-45kDa for Acid Phosphatase (Potato) Antibody. Other band(s): Acid Phosphatase monomer fragmentation.



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.