

Anti-Prostatic Acid Phosphatase (PAP) Antibody

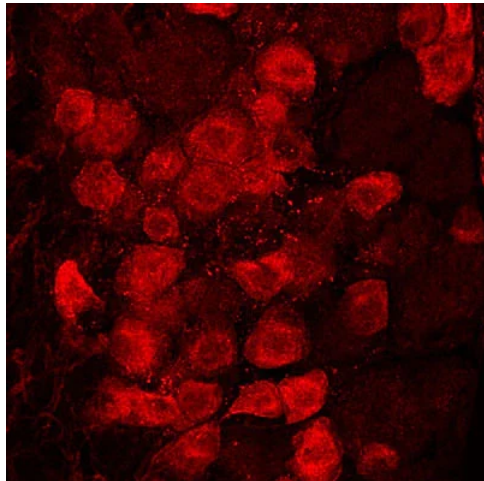


Product Details

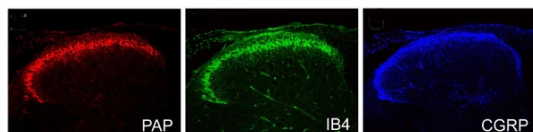
Available Variants	200 µL (SKU:PAP)
Isotype	IgY
Gene Name	ACPP
Host Species	Chicken
Concentration	10 mg/mL
Format	Mixture of IgY fraction and affinity-purified antibodies
Physical State	Liquid
Buffer	Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with sodium azide (0.02%,w/v) as an anti-microbial agent.
Production Notes	Chickens were immunized with recombinant mouse Prostatic Acid Phosphatase protein. After repeated injections, immune eggs were collected from laying hens, from which IgY antibody were prepared ("anti-PAP IgY fraction"). Some of this antibody was further purified using an agarose matrix to which the PAP protein was covalently attached ("Affinity-purified anti-PAP"). The final preparation in the accompanying vial contains 10 mg/mL of the "anti-PAP IgY fraction" supplemented with 20 µg/mL of the "affinity-purified anti-PAP" plus 50% (v/v) glycerol (to prevent freezing at -20°C). Finally, this antibody preparation was filter-sterilized (0.45 µm) and 200 µl aliquots prepared.
Applications	IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Recombinant mouse PAP expressed in Escherichia coli
Molecular Weight	45 kDa

Quality Control	Antibodies were analyzed using immunohistochemistry with tissue sections through a 10%-formalin fixed adult mouse. Sections were examined for PAPpositive dorsal root ganglion sensory neurons. Secondary antibodies (fluorescein-labeled goat anti-chicken IgY, Aves Cat. #F-1004) were used at a concentration of 1:500.
Storage	Store at -20°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile.
Antibody Registry ID	AB_2313557
UniProt ID	P15309
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

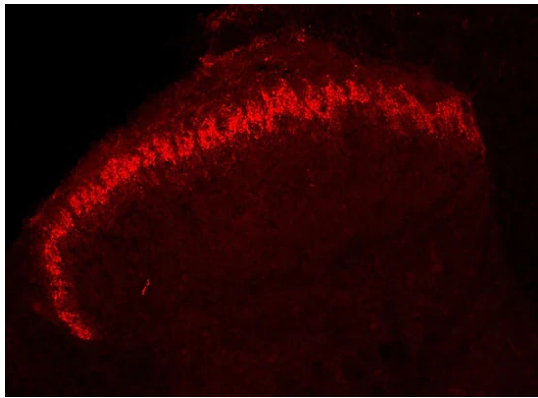
Product Images



Adult mouse DRG was fixed in 4% paraformaldehyde, cryostat-sectioned, and then stained for PAP immunoreactivity (1:500 dilution), showing immunoreactive material in primary sensory neurons. Photomicrograph by Dr. Mark Zilka, Univ. of North Carolina.



Adult mouse spinal cord was fixed in 4% paraformaldehyde, paraffin-embedded and sectioned, and then sections were stained for PAP immunoreactivity (1:500 dilution). Adjacent sections were co-stained for IB4 and Calcitonin Gene-Related Protein (CGRP) (other sensory neuronal markers). Photomicrograph by Dr. Mark Zilka, University of North Carolina.



Adult mouse spinal cord was fixed in 4% paraformaldehyde, paraffin-embedded and sectioned, and then sections were stained for PAP immunoreactivity (1:500 dilution). Immunoreactivity shown in Rexed Lamina 2 of the dorsal horn gray matter of the spinal cord. Photomicrograph by Dr. Mark Zilka, University of North Carolina.

Product Page URL: www.antibodiesinc.com/products/anti-prostatic-acid-phosphatase-antibody-pap



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