

Datasheet for 600-401-Y23**AP3B2 Antibody****Overview**

Description:	Anti-AP3B2 (RABBIT) Antibody - 600-401-Y23
Item No.:	600-401-Y23
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The AP3 complex is a heterotetramer composed of two large adaptins (AP3D1, AP3B1 or AP3B2), a medium adaptin (AP3M1 or AP3M2) and a small adaptin (APS1 or AP3S2). The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. Unlike the homologous AP3B1, AP3B2-containing AP3 complexes are preferentially targeted to neuronal processes, and mice deficient in AP3B2 displayed compromised synaptic zinc stores.
Synonyms:	AP3B2 Antibody, NAPTb, AP-3 complex subunit beta-2, Adapter-related protein complex 3 subunit beta-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AP3B2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AP3B2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human AP3B2

Purity/Specificity: Anti-AP3B2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with AP3B2 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q13367](#)
- [GeneID - 8120](#)
- [NCBI - NP_001265440](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-AP3B2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 119 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

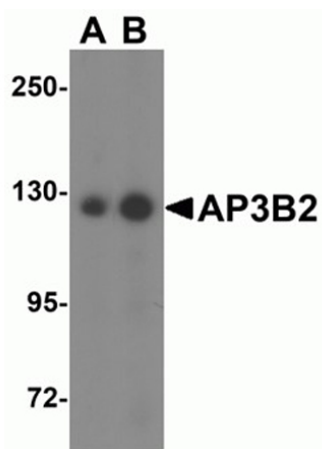
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration: Expiration date is one (1) year from date of receipt.

Images

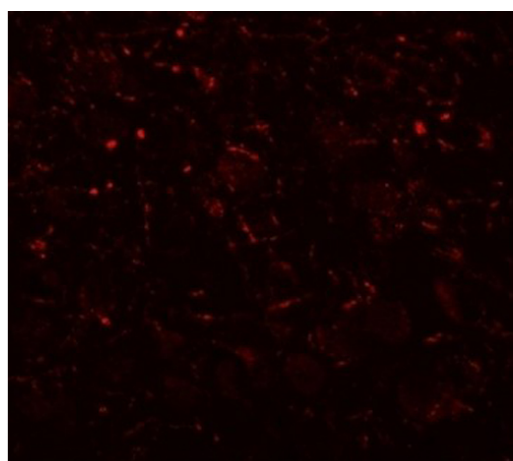


Western Blot

Western blot analysis of AP3B2.

Load: rat brain tissue lysate.

Primary Antibody: AP3B2 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

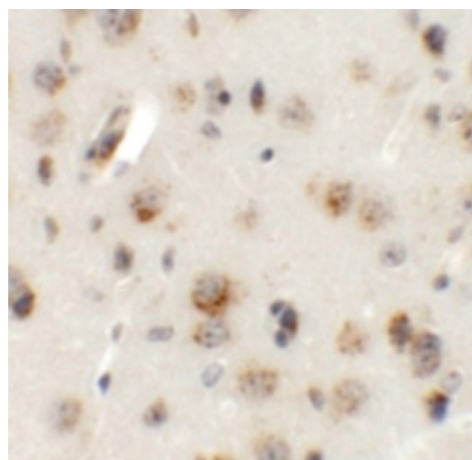


Immunofluorescence Microscopy

Immunofluorescence of AP3B2.

Tissue: mouse brain tissue.

Primary Antibody: AP3B2 antibody at 20 µg/mL.



Immunohistochemistry

Immunohistochemistry of AP3B2.

Tissue: mouse brain tissue.

Primary Antibody: AP3B2 antibody at 5 µg/mL.

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.