

Datasheet for 200-301-E64S**BIN3 Antibody****Overview**

Description:	Anti-BIN3 (MOUSE) Monoclonal Antibody - 200-301-E64S
Item No.:	200-301-E64S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Mouse

Product Details

Background:	BIN-3 encodes an evolutionarily conserved and ubiquitously expressed member of the BAR superfamily of curved membrane and GTPase-binding proteins implicated in signal transduction and vesicular trafficking. In humans, Bin3 maps to chromosome 8p21.3, a region widely implicated in cancer suppression that is often deleted in non-Hodgkin's lymphomas and various epithelial tumors. Study in mouse suggests that homozygous inactivation of Bin3 causes cataracts and an increased susceptibility to lymphomas during aging.
Synonyms:	mouse anti-BIN3 Antibody, Bridging integrator 3, BIN-3, BIN 3, BIN3 antibody, anti-BIN-3 antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	3A4
Format:	IgG1

Target Details

Gene Name:	BIN3
Reactivity:	Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-BIN3 (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with a full length human BIN3 recombinant protein followed by hybridoma development.

Purity/Specificity: Anti-BIN3 was purified from clarified mouse ascetic fluid by Protein A chromatography followed by extensive dialysis against the buffer stated above. BIN3 antibody is specific for human BIN3 protein. A BLAST analysis was used to suggest cross-reactivity with BIN3 from human and mouse sources based on 100% homology with the immunizing sequence. Cross-reactivity with BIN3 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9NQY0](#)
- [NCBI - NP_061158.1](#)
- [GeneID - 55909](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-BIN3 antibody has been tested for use in ELISA, Western Blot, and IP. Specific conditions for reactivity should be optimized by the end user.

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

ELISA: 1:5000 - 1:50000

IP: 10-100 μ L

WB: 1:500-1:1500

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

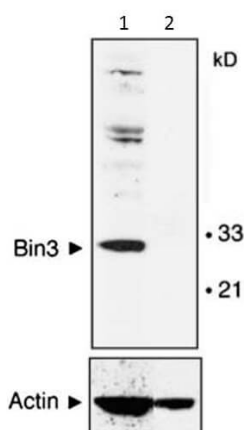
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store 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.

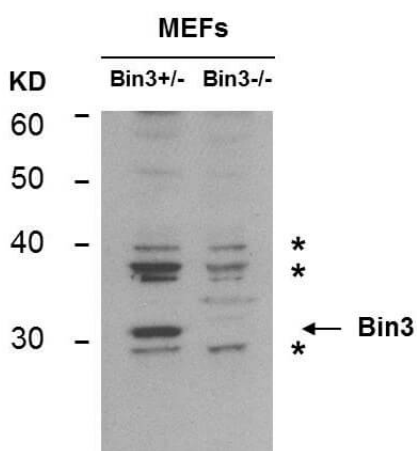
Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Mouse Anti-BIN3 antibody. Lane 1: MEF cells wild type. Lane 2: MEF cells null mice. Load: 35 µg per lane. Primary antibody: BIN3 antibody overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 29.7 kDa, 30 kDa for BIN-3. Other band(s): non-specific.



Western Blot

Western Blot of Mouse anti-BIN3 antibody. Lane 1: MEF lysate BIN3 +/- . Lane 2: MEF lysate BIN3 -/- . Load: 35 µg per lane. Primary antibody: BIN-3 antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 29.7 kDa, 31 kDa for BIN 3. Other band(s): * non-specific.

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.