

Datasheet for 600-401-GT8S**PIK3CB Antibody****Overview**

Description:	Anti-PIK3CB (RABBIT) Antibody - 600-401-GT8S
Item No.:	600-401-GT8S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-PIK3C beta Antibody is suitable for researcher in Cancer, Immunology and Nuclear Signaling research.
Synonyms:	rabbit anti-PIK3CB antibody, rabbit anti-PI3K beta antibody, PKC3B. PKC3 beta, Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform, PI3-kinase subunit beta, PI3K-β, PI3Kbeta, PtdIns-3-kinase subunit beta, Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit beta, PtdIns-3-kinase subunit p110-beta, p110beta, PIK3C1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PIK3CB
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified PIK3C-β antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an N-terminal region of human Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform.

Purity/Specificity: Anti-PIK3C beta was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for human PIK3C beta protein. A BLAST analysis was used to suggest cross-reactivity with PI3K-beta based on a 100% homology from human sources with the immunizing sequence. Expect partial cross reactivity to PIK3C beta from mouse and rat (93% homology) sources. Cross-reactivity with PIK3C beta from other sources has not been determined.

Relevant Links:

- [UniProtKB - P42338](#)
- [NCBI - NP_006210.1](#)
- [GeneID - 5291](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-PIK3C beta Antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 122.7 kDa in size corresponding to PI3K beta by western blotting in the appropriate cell lysate or extract.

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

ELISA: 1:50,000

WB: 1:1000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.09 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

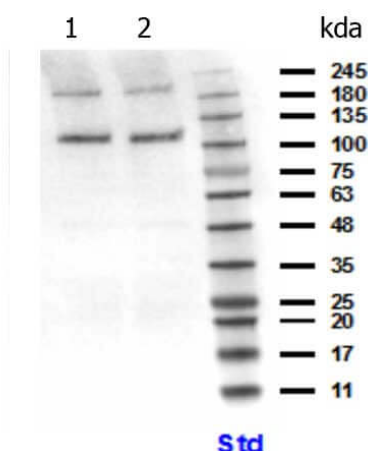
Shipping & Handling

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.

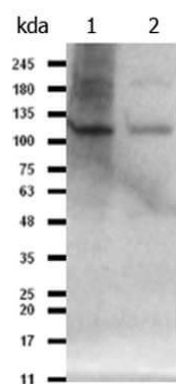
Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-PIK3CB antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: HEK293 lysate (p/n W09-000-365). Lane 2: MDA-MB-435S WCL (p/n W09-001-A39). Load: 35 µg per lane. Primary antibody: PIK3CB antibody at 1:1,000 for 3hrs at RT. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:30,000 for 60 min at RT. Blocking Buffer: 1% Casein-TTBS (p/n MB-082) for 30 min at RT. Predicted/Observed size: 122 kDa for PIK3CB.



Western Blot

Western Blot of Rabbit anti-PIK3CB antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: HCT-116 WCL (p/n W09-001-GM4). Lane 2: MDA-MB-435S WCL (p/n W09-001-A39). Load: 35 µg per lane. Primary antibody: PIK3CB antibody at 1:1,000 for overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:30,000 for 60 min at RT. Blocking Buffer: (p/n MB-070) for 30 min at RT. Predicted/Observed size: 122 kDa for PIK3CB.

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.