

Datasheet for 600-401-Z40**BCAS3 Antibody****Overview**

Description:	Anti-BCAS3 (RABBIT) Antibody - 600-401-Z40
Item No.:	600-401-Z40
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Breast carcinoma amplified sequence (BCAS3) gene is localized to 17q23, a region that is often amplified in breast cancers. Copy number gains at this region have also been reported in other tumors such as brain, lung, liver, testis and bladder. BCAS3 is thought to be an estrogen receptor (ER)-alpha co-activator that acts through PELP1, another ER-alpha that in turn activates BCAS3 expression. This may set up a positive feedback loop leading to ER-a signal amplification in the cell which may play a significant role in breast cancer. BCAS3 expression has also been observed in embryonic stem cells and vascular precursors, suggesting that it may also play a role in embryogenesis and tumor angiogenesis.
Synonyms:	BCAS3 Antibody, MAAB, GAOB1, Breast carcinoma-amplified sequence 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCAS3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BCAS3 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human BCAS3.

Purity/Specificity: Anti-BCAS3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BCAS3 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9H6U6](#)
- [GeneID - 54828](#)
- [NCBI - EAW51415](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-BCAS3 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 101 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: 1:5000-1:10000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 0.5 - 1 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

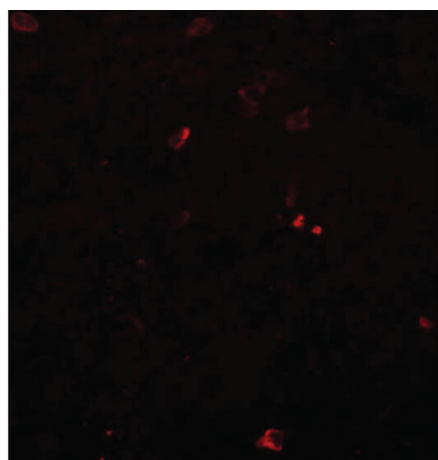
Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

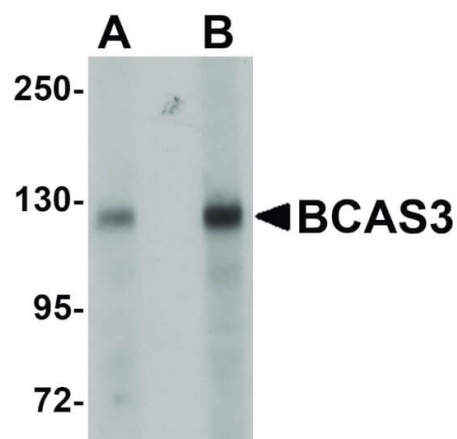
Expiration date is one (1) year from date of receipt.

Images



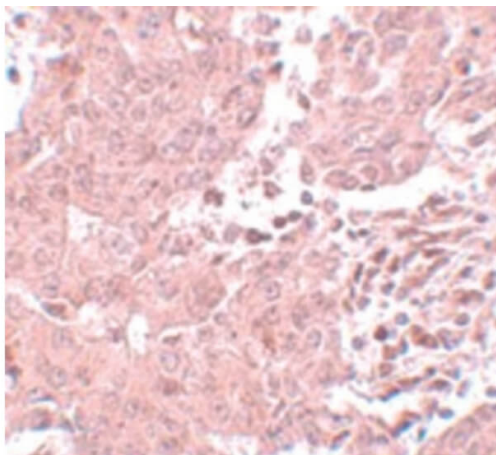
Immunofluorescence Microscopy

Immunofluorescence Microscopy of BCAS3 antibody.
 Tissue: Human Breast Carcinoma. Fixation: 0.5% PFA.
 Antigen retrieval: not required. Primary antibody: BCAS3
 antibody at 20 µg/mL for 1 h at RT. Secondary antibody:
 Fluorescein rabbit secondary antibody at 1:10,000 for 45 min
 at RT. Localization: BCAS3 is nuclear and cytoplasmic.
 Staining: BCAS3 as red fluorescent signal.



Western Blot

Western Blot of BCAS3 antibody. Lane 1: Rat brain tissue
 lysate with BCAS3 antibody at 0.5 µg/mL. Lane 2: Rat brain
 tissue lysate with BCAS3 antibody at 1 µg/mL. Secondary
 antibody: Peroxidase rabbit secondary antibody at 1:10,000
 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
 Predicted/Observed size: 101 kDa, 125 kDa for BCAS3. Other
 band(s): BCAS3 splice variants and isoforms.

**Immunohistochemistry**

Immunohistochemistry of BCAS3 antibody. Tissue: human breast carcinoma. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BCAS3 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BCAS3 is nuclear and cytoplasmic. Staining: BCAS3 as precipitated brown signal with blue nuclear counterstain.

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.