

Datasheet for 600-401-Z38**BCAS1 Antibody****Overview**

Description:	Anti-BCAS1 (RABBIT) Antibody - 600-401-Z38
Item No.:	600-401-Z38
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	BCAS1 was identified through positional cloning and was found to be overexpressed in most but not all breast cancer cells lines. Little is known about this protein; BCAS1 is cytoplasmically localized and is thought to form homodimers through coiled-coil structures. High levels of BCAS1 mRNA are seen in brain and prostate tissues, with lower amounts observed in colon, intestine and testis. Cells engineered to overexpress BCAS1 did not lose anchorage-dependent growth or increase their rate of growth, suggesting that BCAS1 is not a prototypical oncogene. The BCAS1 gene was also found to be amplified in other carcinomas such as pancreatic carcinoma, suggesting that BCAS1 may play an important role in the control of cell proliferation.
Synonyms:	BCAS1 Antibody, AIBC1, NABC1, AIBC1, Breast carcinoma-amplified sequence 1, Amplified and overexpressed in breast cancer
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCAS1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BCAS1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human BCAS1.

Purity/Specificity: Anti-BCAS1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BCAS1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - O75363](#)
- [GeneID - 8537](#)
- [NCBI - EAW75575](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-BCAS1 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 61 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

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 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

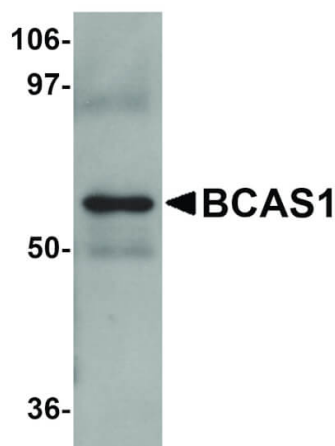
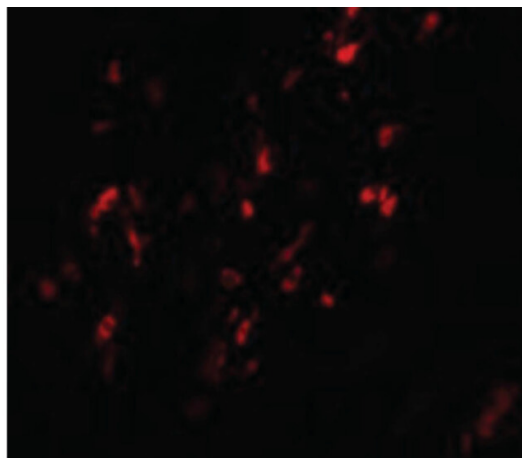
Shipping & Handling

Shipping Condition: 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

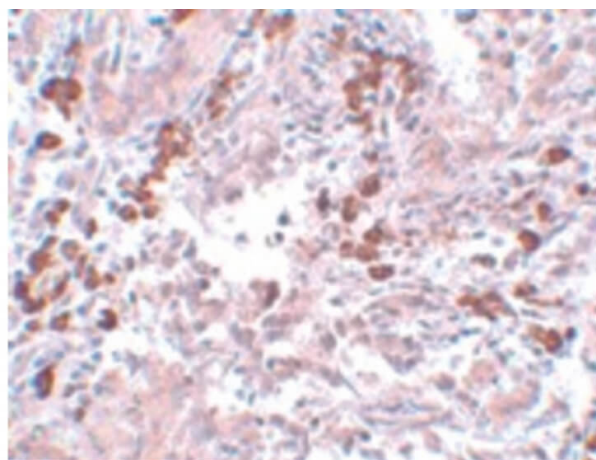


Immunofluorescence Microscopy

Immunofluorescence Microscopy of BCAS1 antibody.
 Tissue: Human Breast Carcinoma. Fixation: 0.5% PFA.
 Antigen retrieval: not required. Primary antibody: BCAS1
 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: BCAS1 is nuclear. Staining: BCAS1 as red
 fluorescent signal.

Western Blot

Western Blot of BCAS1 antibody. Lane 1: Human lung
 tissue lysate. Primary Antibody: Anti-BCAS1 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: 61 kDa, 61 kDa
 for BCAS1. Other band(s): BCAS1 splice variants and
 isoforms.



Immunohistochemistry

Immunohistochemistry of BCAS1 antibody. Tissue: human
 breast carcinoma. Fixation: formalin fixed paraffin
 embedded. Antigen retrieval: not required. Primary
 antibody: BCAS1 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: BCAS1 is nuclear.
 Staining: BCAS1 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.