

Datasheet for 600-401-GT5S**Abi1 Antibody****Overview**

Description:	Anti-Abi1 (RABBIT) Antibody - 600-401-GT5S
Item No.:	600-401-GT5S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Anti-Abi1 Antibody was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). Abi1 gene has been suggested to have a role in inhibiting cell growth and encodes an adaptor protein in the Abelson-interactor family. The protein is involved in signal transduction, actin regulation and cytoskeletal remodeling. Studies suggest that Abi1 is a member of the WAVE complex and a dysfunctional complex may allow for the progression of prostate cancer. Anti-Abi1 is ideal for researchers interested in melanoma, colon and breast cancer and other cancer antibody research.
Synonyms:	rabbit anti-Abi1 Antibody, Abi-1, Abi 1, Abl Interactor 1, Eps8 SH3 Domain-Binding Protein, Abl-Binding Protein, Abelson Interactor 1, E3B1, Spectrin SH3 Domain Binding Protein 1, Nap1-binding protein, SSH3BP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Abi1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to near c-terminal of the mouse Abi-1 protein.
Purity/Specificity:	Anti-Abi1 is directed against mouse Abi1. This product is an affinity purified antibody produced by immunoaffinity chromatography using peptide coupled to agarose beads. A BLAST analysis was used to suggest cross reactivity with this protein in human and rat based on 100% homology for the immunogen sequence. Reactivity against homologues from other sources is not known.
Relevant Links:	• GeneID - 11308 • NCBI - NP_001070658.1 • UniProtKB - Q8CBW3

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band ~ 65 kDa in size corresponding to Abi1 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:	5.0 µg/ml
WB:	1.0 µg/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.07 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

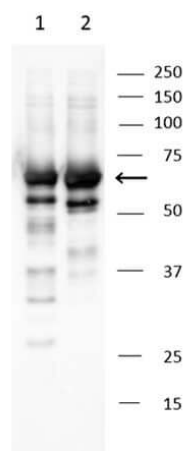
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

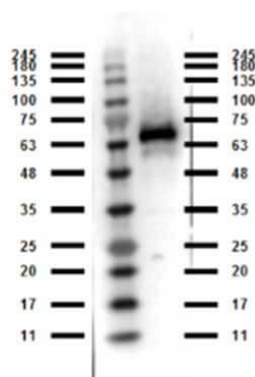
Expiration: Expiration date is one (1) year from date of receipt.

Images



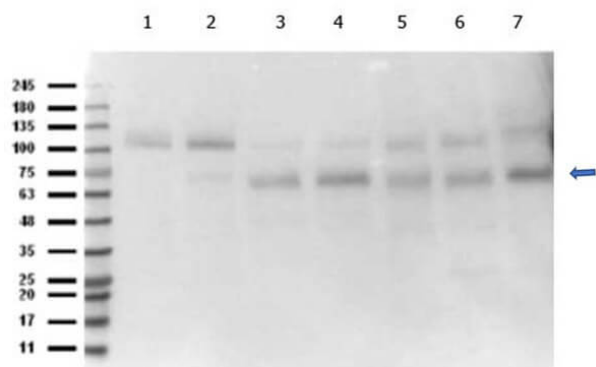
Western Blot

Western Blot of Rabbit anti-Abi1 antibody. Marker: BioRad Precision Plus Dual Color Standard. Lane 1: Purified recombinant His-tagged Abi1 Isoform 2. Lane 2: Purified recombinant His-tagged Abi1 Isoform 3. Load: 2 µL per lane. Primary antibody: Abi1 antibody at 1:1,000 for 2hrs at RT. Secondary antibody: HRP conjugated goat-α-rabbit at 1:10,000 for 60 min at RT. Blocking Buffer: 5% non-fat milk in TBS-t overnight at 4°C. Predicted/Observed size: 65 kDa for Abi1.



Western Blot

Western Blot of Rabbit anti-Abi1 antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: Abi1 recombinant protein. Load: 50 ng per lane. Primary antibody: Abi1 antibody at 1:1,000 for o/n at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Blocking Buffer: (p/n MB-070) for 30 min at RT. Predicted/Observed size: 65 kDa for Abi1.



Western Blot

Western Blot of Rabbit anti-Abi1 antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: MEF3 KO. Lane 2: MEF3 WT. Lane 3: Mouse brain (p/n W10-000-T004). Lane 4: Rat brain (p/n W12-000-T077). Lane 5: HCT-116 WCL (p/n W09-001-GM4). Lane 6: HeLa WCL (p/n W09-000-364). Lane 7: NIH/3T3 WCL (p/n W10-000-358). Load: 35 µg per lane. Primary antibody: Abi1 antibody at 1:1,000 for o/n at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Blocking Buffer: (p/n MB-070) for 30 min at RT. Predicted/Observed size: 65 kDa for Abi1.

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.