

Datasheet for 600-401-GY1**ASAP1 Antibody****Overview**

Description:	Anti-ASAP1 (RABBIT) Antibody - 600-401-GY1
Item No.:	600-401-GY1
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). ASAP1 (ArfGAP with SH3 Domain, Ankyrin Repeat and PH Domain 1) is a Protein Coding gene. This gene encodes an ADP-ribosylation factor (ARF) GTPase-activating protein. The GTPase-activating activity is stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2), and is greater towards ARF1 and ARF5, and lesser for ARF6. This gene maybe involved in regulation of membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2. ASAP1 may function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types (By similarity) and plays a role in ciliogenesis. Anti-ASAP1 is useful for researchers interested in GTPase activities and EGFR1 Signaling Pathway.
Synonyms:	rabbit anti-ASAP1, rabbit anti ASAP1, Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1, 130 kDa phosphatidylinositol 4,5-bisphosphate-dependent ARF1 GTPase-activating protein, ADP-ribosylation factor-directed GTPase-activating protein 1, ARF GTPase-activating protein 1, Development and differentiation-enhancing factor 1, DEF-1, Differentiation-enhancing factor 1, PIP2-dependent ARF1 GAP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ASAP1
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Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ASAP1 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the c-terminus region of human ASAP1 protein.
Purity/Specificity:	This affinity purified antibody is directed against human ASAP1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity to human 100%, bovine 93%, and rat and mouse 87% homology for the immunogen sequence. Cross-reactivity from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9ULH1 • NCBI - NP_001234925.1 • GeneID - 50807

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-ASAP1 Antibody has been tested for use in ELISA and Western Blot. Expect a band approximately ~125kDa using positive control lysates over-expressing ASAP1, or other specific lysates or tissues. Although not tested, this antibody could be useful in Immunofluorescence or Immunohistochemistry. 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:	1:1000 - 1:5000
WB:	1.0 ug/ml

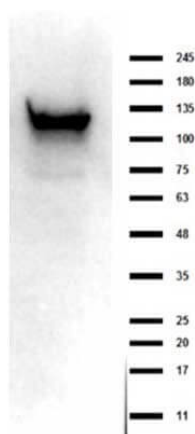
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.04 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 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



Western Blot

Western Blot of Rabbit anti-ASAP1 antibody. Lane 1: ASAP1 transfected U118 lysate. Load: 35 µg per lane. Primary antibody: ASAP1 antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary HRP antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Block: BlockOut (p/n MB-073) overnight at 4°C. Predicted/Observed size: 125 kda for ASAP1.

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.