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Datasheet for 600-401-GY1S

ASAP1 Antibody

Overview

Description:	Anti-ASAP1 (RABBIT) Antibody - 600-401-GY1S
Item No.:	600-401-GY1S
Size:	25 µL
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-biphosphate (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:	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

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 • GeneID - 50807 • NCBI - NP_001234925.1

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:	1:50,000
WB:	1µg/mL

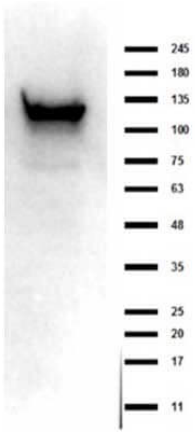
Formulation

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 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-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.

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