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Datasheet for 200-401-P07S

AGAP4 Antibody

Overview

Description:	Anti-AGAP4 (RABBIT) Antibody - 200-401-P07S
Item No.:	200-401-P07S
Size:	25 µL
Applications:	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). The AGAPs are the largest subgroup of the ArfGAP family with 11 genes in humans. AGAP4 (also known as Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 4) is a GTPase activating protein. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion. AGAP4 and other AGAP proteins likely function in the secretory pathway, which could explain a link with the invasive behavior of cancer cells. Reliable antibodies would be invaluable for studies of the physiologic function of the proteins and how is may be linked to cancer cell invasive behavior. Anti-AGAP4 Antibody is useful for researchers interested in Developmental Biology, apoptosis, Cancer, Immunology, and Nuclear Signaling research.
Synonyms:	rabbit anti-AGAP4 antibody, AGAP-4, AGAP 4, CTGLF1, MRIP2, Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 4, Centaurin-gamma-like family member 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AGAP4
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-AGAP4 antibody was prepared from whole rabbit serum produced by repeated immunizations with recombinant His-tagged AGAP4 protein.
Purity/Specificity:	Anti-AGAP4 antibody was purified from monospecific antiserum by protein A affinity purification and the His-tag was removed by cross adsorption. An immunoblot assay detects overexpressed recombinant AGAP4.
Relevant Links:	• UniProtKB - Q96P64 • NCBI - NP_597703.2 • GeneID - 119016

Application Details

Tested Applications:	WB
Application Note:	Anti-AGAP4 antibody has been tested for use in western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 73kDa in size corresponding to AGAP4 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:	1:10,000-1:20,000
WB:	1:1000

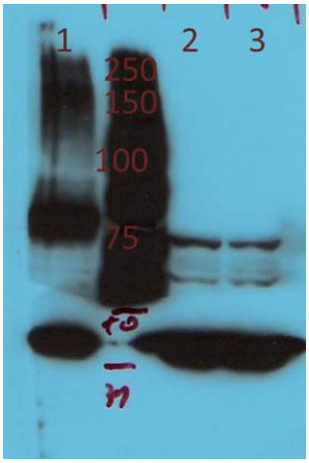
Formulation

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

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-AGAP4 Antibody. Lane 1: HeLa cells treated with HA/AGAP4. Lane 2: HeLa cells control. Lane 3: HeLa cells treated with AGAP4/siRNA. Load: 10 µg per lane. Primary antibody: AGAP4 antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 71 kDa, 71 kDa for AGAP4. Other band(s): 42kDa Actin loading control.

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