

Datasheet for 200-401-P07**AGAP4 Antibody****Overview**

Description:	Anti-AGAP4 (RABBIT) Antibody - 200-401-P07
Item No.:	200-401-P07
Size:	100 µg
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 it 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 • GeneID - 119016 • NCBI - NP_597703.2

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:	1.04mg/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 antibody 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-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.

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.