

**Anti-AGAP4 (RABBIT) Antibody**  
**AGAP4 Antibody**  
**Catalog # ASR4492****Specification**

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**Anti-AGAP4 (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
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.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-AGAP4 antibody was prepared from whole rabbit serum produced by repeated immunizations with recombinant His-tagged AGAP4 protein.
Preservative	0.01% (w/v) Sodium Azide

**Anti-AGAP4 (RABBIT) Antibody - Additional Information****Gene ID** 119016**Other Names**  
119016**Purity**

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.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

## Anti-AGAP4 (RABBIT) Antibody - Protein Information

**Name** AGAP4 ([HGNC:23459](#))

### Function

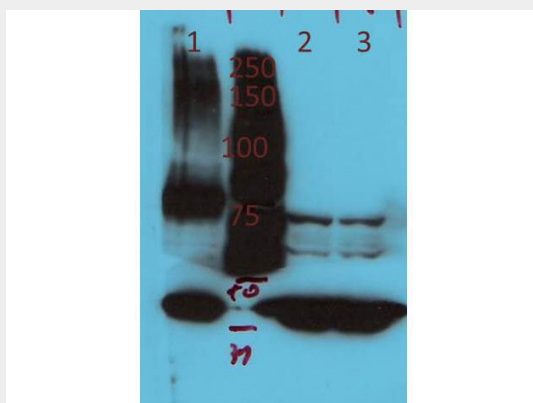
Putative GTPase-activating protein.

## Anti-AGAP4 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-AGAP4 (RABBIT) Antibody - Images



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.

## Anti-AGAP4 (RABBIT) Antibody - 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.