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Anti-AGFG1 Antibody
Catalog # ABO12750

Specification

Anti-AGFG1 Antibody - Product Information

Application	**WB**
Primary Accession	P52594
Host	**Rabbit**
Reactivity	**Human, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Arf-GAP domain and FG repeat-containing protein 1(AGFG1) detection. Tested with WB in Human;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-AGFG1 Antibody - Additional Information

Gene ID 3267

Other Names
Arf-GAP domain and FG repeat-containing protein 1, HIV-1 Rev-binding protein, Nucleoporin-like protein RIP, Rev-interacting protein, Rev/Rex activation domain-binding protein, AGFG1, HRB, RAB, RIP

Calculated MW
58260 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Nucleus. Cytoplasmic vesicle.

Tissue Specificity
Ubiquitously expressed. .

Protein Name
Arf-GAP domain and FG repeat-containing protein 1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human AGFG1(5-28aa AKRKQEEKHLKMLRDMTGLPHNRK), identical to the related mouse and rat sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Contains 1 Arf-GAP domain.

Anti-AGFG1 Antibody - Protein Information

Name AGFG1

Synonyms HRB, RAB, RIP

Function
Required for vesicle docking or fusion during acrosome biogenesis (By similarity). May play a role in RNA trafficking or localization. In case of infection by HIV-1, acts as a cofactor for viral Rev and promotes movement of Rev-responsive element-containing RNAs from the nuclear periphery to the cytoplasm. This step is essential for HIV-1 replication.

Cellular Location
Nucleus. Cytoplasmic vesicle

Tissue Location
Ubiquitously expressed.

Anti-AGFG1 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 Cytomety
- Cell Culture

Anti-AGFG1 Antibody - Images

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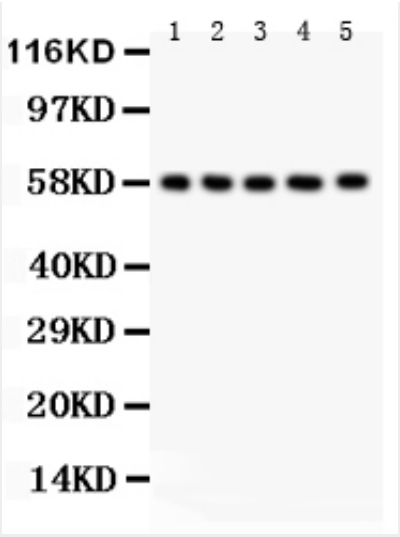

Anti- AGFG1 antibody, ABO12750, Western blottingAll lanes: Anti AGFG1 (ABO12750) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: MCF-7 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 58KDObserved bind size: 58KD

Anti-AGFG1 Antibody - Background

Arf-GAP domain and FG repeats-containing protein 1 is aprotein that in humans is encoded by the AGFG1 gene. AGFG1 is located to 2q36.3. The protein encoded by this gene is related to nucleoporins, a class of proteins that mediate nucleocytoplasmic transport. The encoded protein binds the activation domain of the human immunodeficiency virus Rev protein when Rev is assembled onto its RNA target, and is required for the nuclear export of Rev-directed RNAs. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.