

Anti-AGFG1 Antibody

Catalog # ABO12750

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.

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
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Nucleus. Cytoplasmic vesicle.
Tissue Specificity	Ubiquitously expressed. .
Source	Eukaryota
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

Sequence Similarities

freezing and thawing.
Contains 1 Arf-GAP domain.

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.

Background

Arf-GAP domain and FG repeats-containing protein 1 is a protein 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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.