

Product datasheet for TA319362

ARFGAP3 Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1:5,000, WB: 1:1,000, IF: 1:100, IP: User Optimized
Reactivity:	Human
Host:	Rabbit
lsotype:	lgG
Clonality:	Polyclonal
Immunogen:	This whole rabbit serum was prepared by repeated immunizations with a truncated recombinant sequence of ArfGAP3 fused to GST.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ADP ribosylation factor GTPase activating protein 3
Database Link:	<u>NP_055385</u> <u>Entrez Gene 26286 Human</u> <u>Q9NP61</u>
Synonyms:	ARFGAP1



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GRIGENE ARFGAP3 Rabbit Polyclonal Antibody – TA319362

The ArfGAPs are a family of proteins encoded by 31 genes in humans. The function of the Note: ArfGAPs is to regulate the small G protein Arf, a regulator of membrane traffic and actin cytoskeleton. The ArfGAPs have been found to be key regulators of cellular behaviors that involve coordinated actin and membrane remodeling, including protein secretion and migration. Several ArfGAPs are associated with cancer cell invasion and metastasis, and the Arf pathway has been found to be affected in a number of genetic diseases. Although the importance of the ArfGAPs and the Arf pathway for cellular physiology is well recognized, the molecular basis for the function of these proteins has not been established. Reagents for the studies, especially antibodies specific for particular members of the ArfGAP family that can be used for immunoblotting and immunofluorescence, are not available. ArfGAP3 is one of three ArfGAPs thought to be specifically associated with the Golgi apparatus; however, localization has only been done for ectopically expressed recombinant protein and cellular function is still not established. Indeed, there is a growing controversy about the function of ArfGAP3 together with ArfGAP1 and ArfGAP2. Antibodies suitable for immunoprecipitation, immunoblotting and immunofluorescence would be of great value in addressing the controversy and for discovering the potential role of ArfGAP3 in secretion of proteins, such as growth factors, and trafficking of other proteins to the cell surface, such as growth factor receptors and cell adhesion molecules.

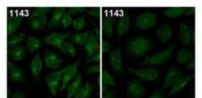
Protein Pathways: Endocytosis

Product images:



Western Blot of Rabbit Anti-ArfGAP3 Antibody. Lane 1 (C): HeLa Whole Cell. Lane 2 (si): HeLa Whole Cell siRNA treated. Load: 10 ug per lane. Primary antibody: ArfGAP3 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: 57 kDa for endogenous Arf-GAP3. Other band (s): non-specific band ~50kDa.

Control



ArfGAP3 KD

Immunofluorescence Microscopy of Rabbit Anti-ArfGAP3 Antibody. Tissue: HeLa Whole Cell. Fixation: MeOH. Antigen retrieval: not required. Primary antibody: ArfGAP3 antibody at 1:100 for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ArfGAP3 is cytoplasmic. Staining: ArfGAP3 as green fluorescent sinal.

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