

ARFGEF2 Antibody

Catalog No: #34510

Package Size: #34510-1 50ul #34510-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

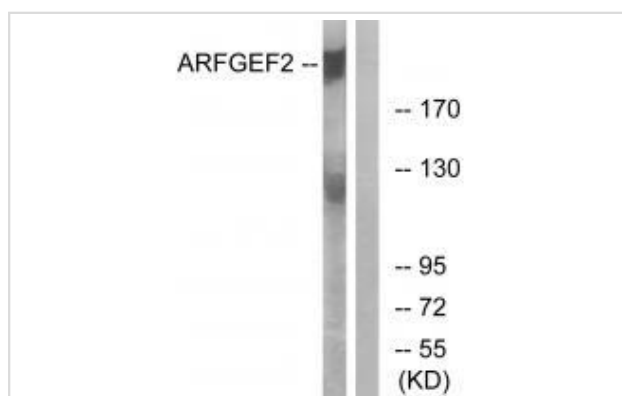
Product Name	ARFGEF2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total ARFGEF2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ARFGEF2.
Target Name	ARFGEF2
Other Names	BIG2; brefeldin A-inhibited GEP 2; brefeldin A-inhibited guanine nucleotide-exchange protein 2;
Accession No.	Swiss-Prot: Q9Y6D5NCBI Gene ID: 10564
Uniprot	Q9Y6D5
GeneID	10564;
SDS-PAGE MW	210kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

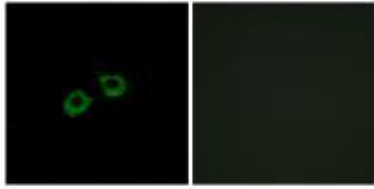
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from A549 cells, using ARFGEF2 antibody #34510.

Immunofluorescence analysis of A549 cells, using ARFGEF2 antibody #34510.



Background

Promotes guanine-nucleotide exchange on ARF1 and ARF3 and to a lower extent on ARF5 and ARF6. Promotes the activation of ARF1/ARF5/ARF6 through replacement of GDP with GTP. Involved in the regulation of Golgi vesicular transport. Required for the integrity of the endosomal compartment. Involved in trafficking from the trans-Golgi network (TGN) to endosomes and is required for membrane association of the AP-1 complex and GGA1. Seems to be involved in recycling of the transferrin receptor from recycling endosomes to the plasma membrane. Probably is involved in the exit of GABA(A) receptors from the endoplasmic reticulum. Involved in constitutive release of tumor necrosis factor receptor 1 via exosome-like vesicles; the function seems to involve PKA and specifically PRKAR2B. Proposed to act as A kinase-anchoring protein (AKAP) and may mediate crosstalk between Arf and PKA pathways.

Togawa A., J. Biol. Chem. 274:12308-12315(1999).

Deloukas P., Nature 414:865-871(2001).

Beausoleil S.A., Proc. Natl. Acad. Sci. U.S.A. 101:12130-12135(2004)

Note: This product is for in vitro research use only