Product Datasheet

ARFGEF2 Rabbit mAb

Catalog No: #52155

Package Size: #52155-1 50ul #52155-2 100ul

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

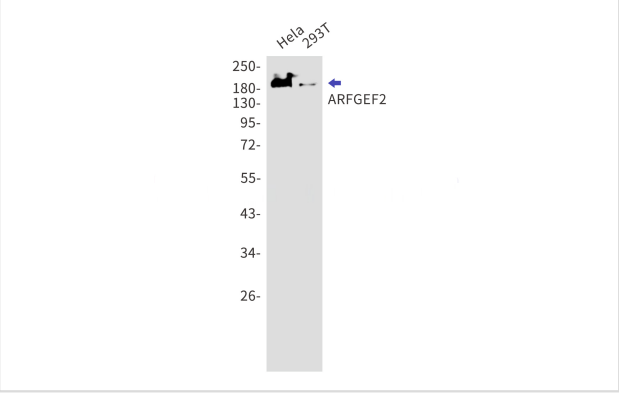
Description

Product Name	ARFGEF2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S07-7H7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human ARFGEF2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	BIG2; PVNH2; dJ1164I10.1
Accession No.	Swiss-Prot:Q9Y6D5GeneID:10564
Uniprot	Q9Y6D5
GeneID	10564
Calculated MW	Calculated MW: 202 kDa; Observed MW: 202 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000-1/5000

Images



Western blot detection of ARFGEF2 in HelaΩ½oΩ½293T lysates using ARFGEF2 antibody.Predicted band size:202kDa.Observed band size:202kDa.

Background

Swiss-Prot Acc.Q9Y6D5.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.

Note: This product is for in vitro research use only