Product Name: ARFGEF2 Rabbit Monoclonal Antibody
Catalog #: AMRe01671

Summary

Production Name	ARFGEF2 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	ARFGEF2
Alternative Names	BIG2; PVNH2; dJ1164I10.1
Gene ID	10564
SwissProt ID	Q9Y6D5

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 202 kDa; Observed MW: 202 kDa

Background

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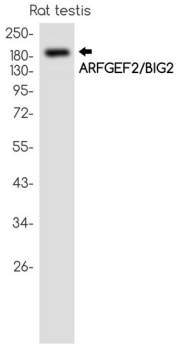
Promotes guanine-nucleotide exchange on ARF1 and ARF3 and to a lower extent on ARF5 and ARF6. Promotes the activation of ARF1/ARF5/ARF6 through replacement of GDP with GTP. Involved in the regulation of Golgi vesicular transport. Required for the integrity of the endosomal compartment. Involved in trafficking 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.

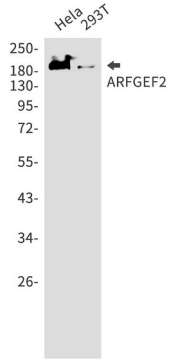
Research Area

Signal Transduction

Image Data



Western blot analysis of ARFGEF2/BIG2 in rat testis lysates using ARFGEF2 antibody.



Western blot analysis of ARFGEF2 in Hela, 293T lysates using ARFGEF2 antibody.

Note

For research use only.