
Arfaptin 2 Rabbit pAb

Catalog Number: bs-1442R

Target Protein: Arfaptin 2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog)

Predicted MW: 38 kDa

Entrez Gene: 23647

Swiss Prot: P53365

Source: KLH conjugated synthetic peptide derived from human Arfaptin 2: 221-341/341.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ARFIP2 is a ubiquitously expressed protein implicated in mediating cross talk between RAC and ARF small GTPases. It has been shown that ARFIP2 binds specifically to GTP-bound ARF1 and ARF6, but binds to Rac-GTP and Rac-GDP with similar affinities. The X-ray structure of arfaptin reveals an elongated, crescent-shaped dimer of 3-helix coiled-coils. Structures of arfaptin with Rac bound to either GDP or the slowly hydrolysable analog GMPPNP show that the switch regions adopt similar conformations in both complexes.

PRODUCT SPECIFIC PUBLICATIONS

[IF=14.957] Ken Hiratsuka. et al. Organoid-on-a-chip model of human ARPKD reveals mechanosensing pathomechanisms for drug discovery. SCI ADV. 2022 Sep;8(38) ICC ; Human . 36129975