

bs-1442R**[Primary Antibody]**

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Arfaptin 2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 23647	SWISS: P53365	Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog)
Target: Arfaptin 2		
Immunogen: KLH conjugated synthetic peptide derived from human Arfaptin 2: 221-341/341.		
Purification: affinity purified by Protein A		Predicted MW.: 38 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
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.		

— SELECTED CITATIONS —

- **[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