

## Arfaptin 1 (K314) polyclonal antibody

Catalog: BS3076

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Arfaptin 1 is an ARF binding protein that inhibits PLD activation, vesicular trafficking and secretion. In the present report, we show that arfaptin 1 interacts with 'high speed' membranes independently of ARF. However, addition of myristoylated ARF3 (myrARF3) increases the association of arfaptin 1 with the membranes, suggesting that arfaptin 1 and ARF form a complex on the Golgi. Utilizing several deletion mutants of arfaptin 1 it is shown that the association of arfaptin 1 with myrARF3 is mediated via two binding sites on arfaptin 1. These two domains are needed for arfaptin 1 inhibition of PLD activation by myrARF3 in vitro.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

P53367

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000 IHC: 1:50~1:200 IF: 1:50~1:200

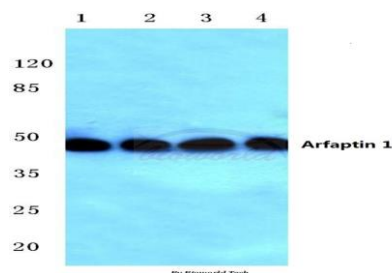
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Arfaptin 1 (K314) polyclonal antibody detects endogenous levels of Arfaptin 1 protein.

### DATA:



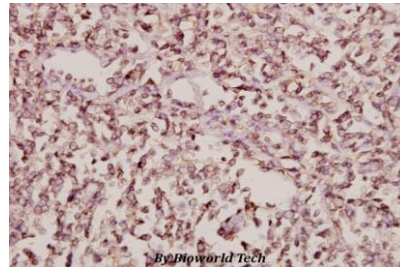
Western blot (WB) analysis of Arfaptin 1 (K314) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:SP2/0 cell lysate

Lane3:PC12 cell lysate

Lane4:Rat muscle tissue lysate



Immunohistochemistry (IHC) analyzes of Arfaptin 1 (K314) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

### Note:

For research use only, not for use in diagnostic procedure.

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