



ARF6 Polyclonal Antibody

E90988

Catalog Number: E90988

Amount: 100ul

Background: ADP-ribosylation factor (Arf) proteins are low molecular weight GTP binding proteins that belong to the Ras GTPase superfamily (1). Arf proteins are grouped into three distinct classes based on amino acid sequence and structural similarity, with Arf6 as the single class III protein to date. Arf6 is localized mainly to the plasma membrane and endosomes (1,2). This small GTPase interacts with PIP5K, PLD and Rac1, proteins important in lipid metabolism and actin regulation. Arf6 function depends upon its cycling between GDP- and GTP-bound states, which is regulated by associated GAP and GEF factors (3,4). Plasma membrane-associated Arf6 appears to play several functions during the many steps of membrane trafficking, including regulating membrane receptor internalization in both clathrin-dependent and independent pathways, endosomal recycling, and proximal actin reorganization and remodeling (5,6).

Species: Rabbit

Isotype: IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: ARF6;DKFZp564M0264 ;

Immunogen: Recombinant protein of human ARF6

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 20kDa

Swiss-Prot No. : P62330

Gene ID: 382

References: 1. Gillingham, A.K. and Munro, S. (2007) Annu Rev Cell Dev Biol 23, 579-611. 2. Donaldson, J.G. and Honda, A. (2005) Biochem Soc Trans 33, 639-42. 3. Sakagami, H. (2008) Tohoku J Exp Med 214, 191-8. 4. Casanova, J.E. (2007) Traffic 8, 1476-85. 5. D'Souza-Schorey, C. and Chavrier, P. (2006) Nat Rev Mol Cell Biol 7, 347-58. 6. Donaldson, J.G. (2003) J Biol Chem 278, 41573-6.

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