

ARF4 (E106) polyclonal antibody

Catalog: BCP00227

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The ADP-ribosylation factor (ARF) protein family are structurally and functionally conserved members of the Ras superfamily of regulatory GTP-binding proteins. ARFs influence vesicle trafficking and signal transduction in eukaryotic cells. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with Golgi membranes and the association of actin to the Golgi via rho family-dependent G-protein localization (Rac, CDC42) and WASP/Arp2/3 complexes. Additionally, ARFs play a central role in maintenance of organelle integrity, assembly of coat proteins, and activation of phospholipase D. The ARF proteins are categorized as class I (ARF1, ARF2, and ARF3), class II (ARF4 and ARF5) and class III (ARF6); members of each class share a common gene organization. The human ARF1 gene maps to chromosome 1q42, contains 5 exons and 4 introns, and encodes a 181 amino acid protein.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 21 kDa

Swiss-Prot:

P18085

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

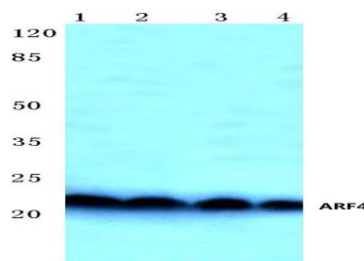
Storage&Stability:

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

Specificity:

ARF4 (E106) polyclonal antibody detects endogenous levels of ARF4 protein.

DATA:



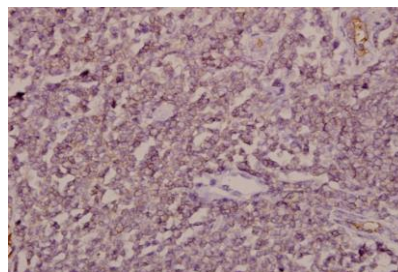
Western blot (WB) analysis of ARF4 (E106) pAb at 1:500 dilution

Lane1:HepG2 whole cell lysate(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:L02 whole cell lysate(40ug)

Lane4:3T3-L1 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ARF4 (E106) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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