

**ARHGEF7 (Q344) polyclonal antibody**

Catalog: BS3929

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The serine/threonine kinase, p21 activated kinase (PAK), is a downstream effector of the small GTPases Cdc42 and Rac. PAK associates with Nck, the p85 and p110 subunits of PI3-kinase and PIX (PAK-interacting exchange factor) in a focal complex. The binding of PIX is necessary for the localization and activation of PAK in the Cdc42 to Rac signaling pathway, and this binding occurs through the high affinity of the N-terminal SH3 domain of PIX for a conserved proline rich PAK sequence. PIX exists as two isoforms, α and β , and both are highly expressed in heart, muscle and thymus tissues of human and rat. α PIX is phosphorylated via PDGF and EphB2 receptor signaling pathways or through association with PI3-kinase. The α PIX isoform predominantly acts as a guanine nucleotide exchange factor (GEF) on Rac, which may mediate lamellipodia formation.

Product:

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

Molecular Weight:

~ 90 kDa

Swiss-Prot:

Q14155

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:

ARHGEF7 (Q344) polyclonal antibody (Q344) polyclonal antibody detects endogenous levels of ARHGEF7 protein.

DATA:**Note:**

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

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