

GRP1 (K400) polyclonal antibody

Catalog: BS2942

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

GRP1 (general receptor for phosphoinositides-1) contains a Pleckstrin homology (PH) domain as well as a Sec7 domain. The PH domain has high binding affinity for phosphatidylinositol 3,4,5-trisphosphate PtdIns(3,4,5)P₃, while the Sec7 homology domain is responsible for catalyzing guanine nucleotide exchange of ADP-ribosylation factor (ARF) proteins. GRP1 co-localizes with ARF6 and catalyzes GTP/GDP exchange on ARF6. It is known to interact with PtdIns(3,4,5)P₃ localized to the plasma membrane in vitro and may also be a PtdIns(3,4,5)P₃ receptor. Additionally, GRP1 may regulate protein sorting and membrane trafficking through interaction with the guanosine triphosphate ARF, and may control cell adhesion through interaction with integrins.

Product:

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

Molecular Weight:

~ 48 kDa

Swiss-Prot:

O43739

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

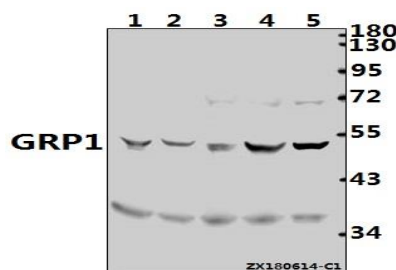
Storage&Stability:

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

Specificity:

GRP1 (K400) polyclonal antibody detects endogenous levels of GRP1 protein.

DATA:



Western blot (WB) analysis of GRP1 (K400) pAb at 1:2000 dilution

Lane1:3T3-L1 whole cell lysate(40ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:A2780 whole cell lysate(40ug)

Lane4:H1792 whole cell lysate(40ug)

Lane5:A375 whole cell lysate(20ug)

Note:

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

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