

DIAPH1 polyclonal antibody

Catalog: BS7851

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Dia 1 (also designated p140mDia) and Dia 2 (also designated p134mDia 2), mammalian homologs of *Drosophila* Diaphanous, belong to a family of formin-homology (FH) proteins, which are characterized by having tandemly aligned FH1 and FH2 domains in their carboxy terminal regions. The amino terminus of inactivated Dia 1 binds to the FH1 and FH2 domains, and is activated when GTP-bound Rho disrupts the intramolecular interaction of Dia 1 and converts it to an open conformation. Once activated, Dia 1 co-localizes with profilin and RhoA in dynamic plasma-membrane structures, and induces the formation of stress fibers in conjunction with the ROCK mediated signaling pathway. However, Dia 1 and ROCK activities antagonize each other in order to determine the thickness and density of the stress fibers formed. Dia 1 has also been implicated as the gene responsible for non-syndromic deafness.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 141, 150 kDa

Swiss-Prot:

O60610

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 - 1:2000

IF 1:50 - 1:100

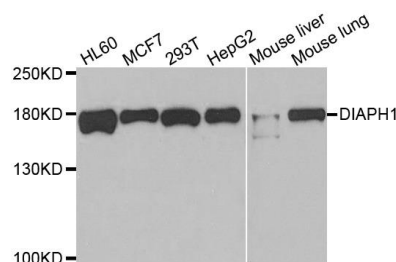
Storage&Stability:

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

Specificity:

DIAPH1 polyclonal antibody detects endogenous levels of DIAPH1 protein.

DATA:



WesternBlot (WB) analysis of DIAPH1 polyclonal antibody

Note:

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

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