

DIAPH1 polyclonal antibody

Catalog: BS90409

Host: Rabbit

Reactivity: Human

BackGround:

Dia 1, also known as DIAPH1 (diaphanous homolog 1) or DRF1, a mammalian homolog of the *Drosophila* diaphanous gene, belongs to a family of formin homology (FH) proteins which are characterized by having tandemly aligned FH1 (formin homology 1) and FH2 (formin homology 2) domains in their carboxy terminal regions. Dia 1 contains a DAD (diaphanous autoregulatory) domain, which is involved in the elongation of actin filaments, and a GBD/FH3 (Rho GTPase-binding/formin homology 3) domain, which interacts with the DAD domain via auto-inhibitory interactions to regulate the activation of Dia 1. Dia 1 is required for the assembly of F-actin structures, and regulates the polymerization and depolymerization of actin filaments. Localizing to the cell membrane, Dia 1 is expressed in a wide range of tissues, including brain, heart, lung and kidney. Defects to the gene encoding Dia 1 have been linked to deafness autosomal dominant type 1 (DFNA1), a disorder characterized by sensorineural hearing loss..

Product:

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

Molecular Weight:

141 kDa

Swiss-Prot:

O60610(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:5,000-1:10,000

ICC:1:50

IHC:1:50-1:100

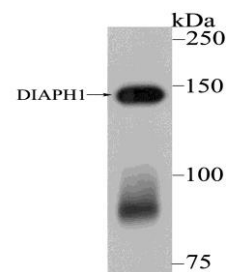
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

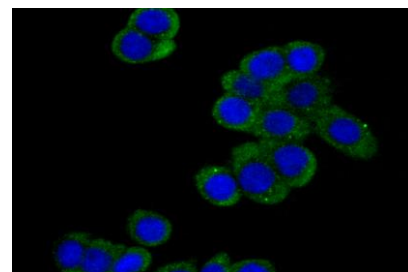
Specificity:

DIAPH1 polyclonal antibody detects endogenous levels of DIAPH1 protein.

DATA:



Western blot analysis of DIAPH1 on SiHa cell lysate using anti-DIAPH1 antibody at 1/5,000 dilution.



ICC staining DIAPH1 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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