

Profilin-2 polyclonal antibody

Catalog: BS60364

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Profilins (Profilin-1, Profilin-2 and Profilin-3) act as nucleotide exchange factors that use ATP to charge Actin, a process that regulates Actin polymerization by subsequently sequestering the Actin monomer. Profilin-2, also known as PFN2 or PFL, is a 140 amino acid protein that is ubiquitously expressed with highest expression in kidney, brain and skeletal muscle. Like other members of the Profilin family, Profilin-2 functions as an Actin monomer-binding protein that influences the structure of the cytoskeleton by regulating Actin polymerization in response to extracellular signals. High levels of Profilin-2 inhibit Actin polymerization, while lower levels enhance Actin polymerization, suggesting that the expression of Profilin-2 is regulated by the need for polymerization within the cell. Two isoforms of Profilin-2 exist due to alternative splicing events.

Product:

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

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P35080

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

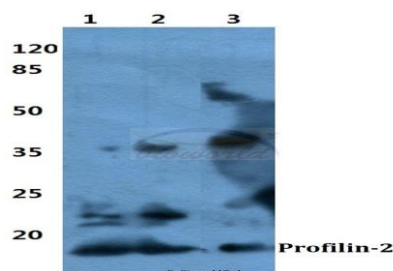
Storage&Stability:

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

Specificity:

Profilin-2 polyclonal antibody detects endogenous levels of Profilin-2 protein.

DATA:



Western blot (WB) analysis of Profilin-2 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Mouse brain tissue lysate

Lane3:Rat skeletal muscle tissue lysate

Note:

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

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