

Annexin IV polyclonal antibody

Catalog: BS90061

Host: Rabbit

Reactivity: Human

BackGround:

The annexin family of calcium-binding proteins is composed of at least ten mammalian genes. It is characterized by a conserved core domain which binds to phospholipids in a Ca⁺⁺-dependent manner and a unique amino terminal region which may confer binding specificity. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis and exocytosis, and cellular adhesion. For example, the crystal structure of Annexin III has suggested a hydrophilic amino terminus with possible Ca⁺⁺ channel activity. Similarly, Annexin V has ion channel properties. Annexin IV, also referred to as endonexin, functions to regulate Cl⁻ flux by mediating calmodulin kinase II (CaMKII) activity and Annexin V has been shown to regulate PKC activity.

Product:

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

Molecular Weight:

36 kDa

Swiss-Prot:

P09525(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC/IF:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

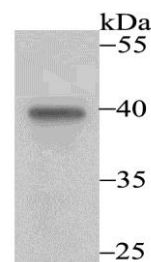
Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid

repeated freeze / thaw cycles.

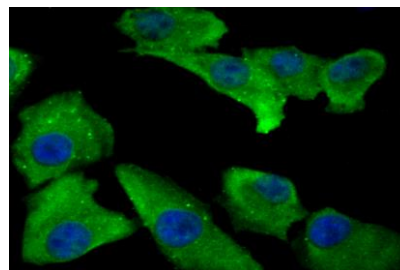
Specificity:

Annexin IV polyclonal antibody detects endogenous levels of Annexin IV protein.

DATA:



Western blot analysis of Annexin IV on human liver tissue lysate using anti-Annexin IV antibody at 1/2,000 dilution.



ICC staining Annexin IV in A549 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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