

## GAP43 polyclonal antibody

Catalog: BS90559

Host: Rabbit

Reactivity: Human, mouse, rat

### BackGround:

GAP43, is a nervous tissue-specific cytoplasmic protein that can be attached to the membrane via a dual palmitoylation sequence on cysteines 3 and 4. This sequence targets GAP43 to lipid rafts. It is a major protein kinase C (PKC) substrate and is considered to play a key role in neurite formation, regeneration, and plasticity. The role of GAP-43 in CNS development is not limited to effects on axons: It is also a component of the centrosome, and differentiating neurons that do not express GAP-43 show mislocalization of the centrosome and mitotic spindles, particularly in neurogenic cell divisions. As a consequence, in the cerebellum, the neuronal precursor pool fails to expand normally and the cerebellum is significantly smaller.

### Product:

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

### Molecular Weight:

43 kDa

### Swiss-Prot:

P06837

### Purification&Purity:

Peptide affinity purified

### Applications:

WB:1:1,000

ICC:1:200

IHC:1:200

FC:1:100-1:200

### Storage&Stability:

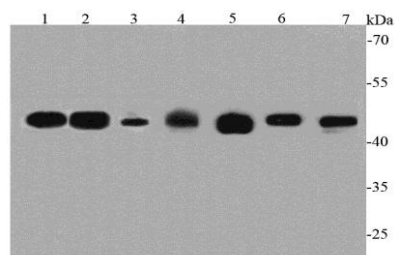
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

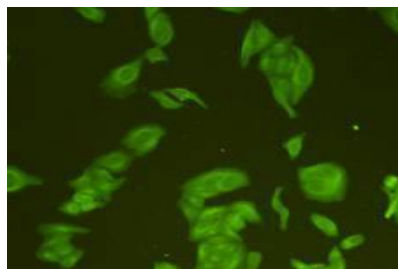
### Specificity:

GAP43 polyclonal antibody detects endogenous levels of GAP43 protein.

### DATA:



Western blot analysis of GAP43 on different cell lysates using anti-GAP43 antibody at 1/1000 dilution. Positive control: Lane 1: Rat brain Lane 2: Mouse brain Lane 3: Mouse heart Lane 4: Human skeletal muscle Lane 5: N2A Lane 6: A172 Lane 7: Human heart



ICC staining GAP43 in HeLa cells (green). 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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