

Fodrin α polyclonal antibody

Catalog: BS90523

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Alpha Fodrin also named Spectrin. Spectrin, an actin binding protein that is a major component of the cytoskeletal superstructure of the erythrocyte plasma membrane, is essential in determining the properties of the membrane including its shape and deformability. Spectrins function as membrane organizers and stabilizers, composed of nonhomologous α and β chains, which aggregate side-to-side in an antiparallel fashion to form dimers, tetramers, and higher polymers. Spectrin α I and spectrin β I are present in erythrocytes, whereas spectrin α II (also designated fodrin α) and spectrin β II (also designated fodrin β) are present in other somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Activation of calpain results in the breakdown of spectrin α II, a neuronal cytoskeleton protein.

Product:

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

Molecular Weight:

285/150 kDa

Swiss-Prot:

Q13813(Human) P16546(Mouse) P16086(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

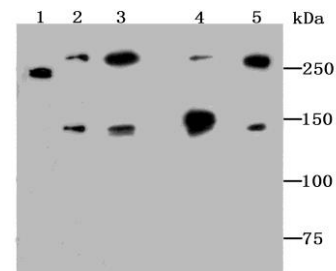
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

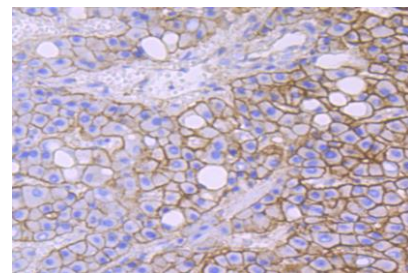
Specificity:

Fodrin α polyclonal antibody detects endogenous levels of Fodrin α protein.

DATA:



Western blot analysis of Alpha Fodrin on different lysates using anti-Alpha Fodrin antibody at 1/500 dilution. Positive control: Lane 1: Hela Lane 2: Jurkat Lane 3: NIH-3T3 Lane 4:Rat brain Lane 5:Mouse brain



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Alpha Fodrin antibody. Counter stained with hematoxylin.

Note:

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

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