AMPH polyclonal antibody

Catalog: BS5609 Host: Rabbit Reactivity: Human,Mouse

BackGround:

Amphiphysin is a brain-enriched protein that exhibits N-terminal lipid interaction and functions as a dimer. Amphiphysin contains a membrane bending BAR domain, a middle Clathrin and adaptor binding domain and a C-terminal SH3 domain. In the brain, Amphiphysin I and II form heterodimers that bind to the Clathrin-associated GTPase Dynamin via their SH3 domains. This association is essential for synaptic vesicle recycling in neurons, as it precedes the binding of Dynamin to the Clathrin-coated pits and the subsequent vesicle budding. In other tissues, Amphiphysin may play a key role in other membrane bending and curvature stabilization events. The mammalian Amphiphysins, Amphiphysin I and Amphiphysin II, have similar overall structure. An ubiquitous splice form of Amphiphysin II that does not contain Clathrin or adaptor interactions is highly expressed in muscle tissue and is involved in the formation and stabilization of the T tubule network.

Product:

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

Molecular Weight:

~ 105 kDa

Swiss-Prot:

P49418

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

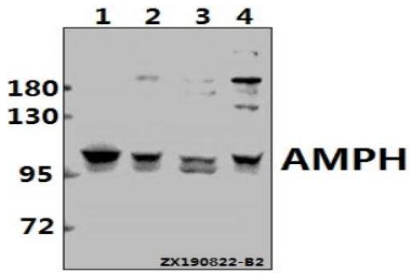
Storage&Stability:

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

Specificity:

AMPH polyclonal antibody detects endogenous levels of AMPH protein.

DATA:



Western blot (WB) analysis of AMPH polyclonal antibody at 1:500 dilution

Lane1:U-87MG whole cell lysate(40ug)

Lane2:Panc1 whole cell lysate(40ug)

Lane3:SHSY5Y whole cell lysate(40ug)

Lane4:BV2 whole cell lysate(40ug)

Note:

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

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