
FTS/AKTIP Rabbit pAb

Catalog Number: bs-16190R

Target Protein: FTS/AKTIP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 33 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 64400

Swiss Prot: Q9H8T0

Source: KLH conjugated synthetic peptide derived from human FTS/AKTIP: 201-292/292.

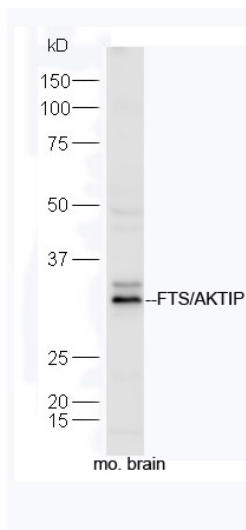
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Fused to protein homolog (FTS), also known as AKT-interacting protein (AKTIP) and Ft1, is a 292 amino acid protein that localizes to the cytoplasm and the cell membrane. A member of the ubiquitin-conjugating enzyme family, FTS binds directly to AKT1 to regulate apoptosis in a cell population. AKT1 is a protein that plays a critical role in a number of cellular responses, such as cell growth, protein synthesis, and antiapoptotic signaling. The interaction of FTS and AKT1 enhances the phosphorylation and activation of AKT1, which, through an AKT1/GSK-3 β /NFATc1 signaling cascade, results in the increased production of the proapoptotic hormone Fas ligand and thus an increase in apoptosis.

VALIDATION IMAGES



Protein: brain(mouse) lysate at 30 µg; Primary: rabbit Anti-FTS/AKTIP (bs-16190R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1:5000; Predicted band size: 33 kD Observed band size: 33 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.9] Yanan Gao. et al. Butyrate improves recovery from experimental necrotizing enterocolitis by metabolite hesperetin through potential inhibition the PI3K-Akt pathway. BIOMED PHARMACOTHER. 2024 Jul;176:116876 WB ; Rat . 38850657