bs-16190R

[Primary Antibody]

FTS/AKTIP Rabbit pAb



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- DATASHEET		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human,
GenelD: 64400	SWISS: Q9H8T0	Rat, Pig, Sheep, Cow, Dog,
Target: FTS/AKTIP		Horse)
Immunogen: KLH conjugated synthetic peptide derived from human FTS/AKTIP: 201-292/292.		Predicted _{33 kDa} MW.:
Purification: affinity purified by Protein A		Subsellular
Concentration: 1mg/ml		Location: Cell membrane ,Cytoplasm
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 toes 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 J /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 at30uh; 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

- SELECTED CITATIONS -

• [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