



## Rabbit Anti-FTS/AKTIP antibody

SL16190R

<b>Product Name:</b>	FTS/AKTIP
<b>Chinese Name:</b>	AKT相互作用蛋白抗体
<b>Alias:</b>	AKT interacting protein; AKT-interacting protein; AKTIP; AKTIP_HUMAN; FT 1; FT1; Fused toes homolog; Fused toes protein homolog.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	33kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FTS/AKTIP:201-292/292
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The mouse homolog of this gene produces fused toes and thymic hyperplasia in heterozygous mutant animals while homozygous mutants die in early development. This gene may play a role in apoptosis as these morphological abnormalities are caused by altered patterns of programmed cell death. The protein encoded by this gene is similar to the ubiquitin ligase domain of other ubiquitin-conjugating enzymes but lacks the conserved cysteine residue that enables those enzymes to conjugate ubiquitin to the

target protein. This protein interacts directly with serine/threonine kinase protein kinase B (PKB)/Akt and modulates PKB activity by enhancing the phosphorylation of PKB's regulatory sites. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

**Function:**

Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Regulates apoptosis by enhancing phosphorylation and activation of AKT1. Increases release of TNFSF6 via the AKT1/GSK3B/NFATC1 signaling cascade.

**Subunit:**

Component of the FTS/Hook/FHIP complex (FHF complex), composed of AKTIP/FTS, FAM160A2, and one or more members of the Hook family of proteins HOOK1, HOOK2, and HOOK3. May interact directly with HOOK1, HOOK2 and HOOK3. The FHF complex associates with the homotypic vesicular sorting complex (the HOPS complex). Also interacts with AKT1.

**Subcellular Location:**

Cytoplasm. Cell membrane.

**Similarity:**

Belongs to the ubiquitin-conjugating enzyme family. FTS subfamily.

**SWISS:**

Q9H8T0

**Gene ID:**

64400

**Database links:**

[Entrez Gene: 64400](#) Human

[Omim: 608483](#) Human

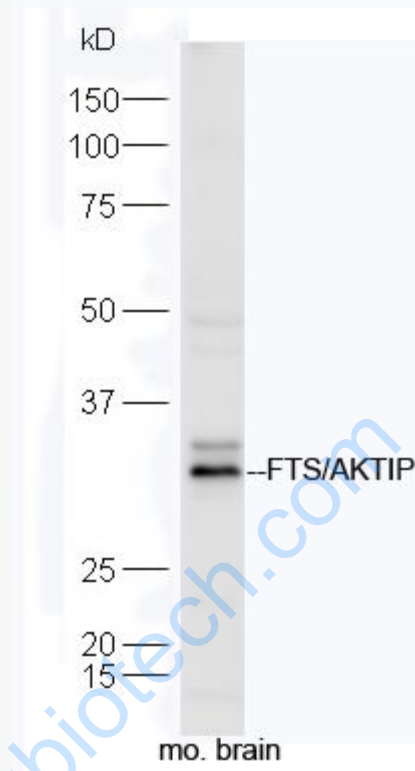
[SwissProt: Q9H8T0](#) Human

[Unigene: 380897](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Protein: brain(mouse) lysate at 30uh;

Primary: rabbit Anti-FTS/AKTIP (SL16190R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL16190R) at 1: 5000;

Predicted band size: 33 kD

Observed band size: 33 kD