

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TA336110

FTS (AKTIP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-AKTIP Antibody: synthetic peptide directed towards the middle region of human AKTIP. Synthetic peptide located within the following region: NPSVHDEAREKMLTQKKPEEQHNKSVHVAGLSWVKPGSVQPFSKEEKTVA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	AKT interacting protein
Database Link:	<u>NP_001012398</u> <u>Entrez Gene 64400 Human</u> <u>Q9H8T0</u>



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GRIGENE FTS (AKTIP) Rabbit Polyclonal Antibody – TA336110

Background:AKTIP is the 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). AKTIP regulates apoptosis by enhancing
phosphorylation and activation of AKT1. AKTIP increases release of TNFSF6 via the
AKT1/GSK3B/NFATC1 signaling cascade. 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.

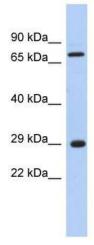
Synonyms:

Note:

FT1; FTS

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 83%

Product images:



WB Suggested Anti-AKTIP Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: Human Muscle

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