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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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|----------------------------|---|
| Product Number | ARP56199_P050-FITC |
| Product Page | www.avivasysbio.com/aktip-antibody-middle-region-fitc-arp56199-p050-fitc.html |
| Name | AKTIP Antibody - middle region : FITC (ARP56199_P050-FITC) |
| Protein Size (# AA) | 292 amino acids |
| Molecular Weight | 33kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| NCBI Gene Id | 64400 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | AKT interacting protein |
| Alias Symbols | FT1, FTS |
| Peptide Sequence | Synthetic peptide located within the following region: NPSVHDEAREKMLTQKKPEEQHNKSVHVAGLSWVKPGSVQPFSSKEEKTV |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Ewing,R.M., Mol. Syst. Biol. 3, 89 (2007) |
| Description of Target | 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. |
| Protein Interactions | HOOK1; HOOK2; HOOK3; FAM160A2; VPS16; VPS18; VPS41; TRIM23; TRIM41; MARCH5; DZIP3; KIAA1377; EXOC7; POLA2; GTF3C1; UTP14A; C10orf2; PDPK1; ASS1; CTBP2; IMMT; RPA1; AKT1; TIMM50; PDS5A; IARS; HDLBP; DCTN1; |
| Reconstitution and Storage | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| Datasheets/Manuals | Printable datasheet for anti-AKTIP (ARP56199_P050-FITC) antibody |
| Blocking Peptide | For anti-AKTIP (ARP56199_P050-FITC) antibody is Catalog # AAP56199 (Previous Catalog # AAPP38119) |
| Immunogen | The immunogen is a synthetic peptide directed towards the middle region of human AKTIP |
| Uniprot ID | Q9H8T0 |
| Protein Name | AKT-interacting protein |
| Protein Accession # | NP_001012398 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_001012398 |
| Gene Symbol | AKTIP |

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| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish |
| Application | WB |
| Predicted Homology Based on Immunogen Sequence | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 83% |
| Image 1 |  A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding sites at the tips of the arms. |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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