



# Mouse anti-Human AKTIP monoclonal antibody, clone 7H9 (CABT-B9744)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| <b>Immunogen</b>             | FTS (AAH01134, 1 a.a. ~ 293 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.   |
| <b>Isotype</b>               | IgG1  |
| <b>Source/Host</b>           | Mouse   |
| <b>Species Reactivity</b>    | Human   |
| <b>Clone</b>                 | 7H9   |
| <b>Conjugate</b>             | Unconjugated  |
| <b>Applications</b>          | WB, sELISA, ELISA   |
| <b>Sequence Similarities</b> | MNPFWSMSTSSVRKRSEGEEEKTLTGDVKTSPPRTAPKKQLPSIPKNALPITKPTSPAPAA<br>QSTNGTHASYGPFYLEYSLLAEFTLVVKQKLPGVYVQPSYRSALMWFGVIFIRHGLYQDG<br>VFKFTVYIPDNYPDGDCPRLVFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHIWQVLMY<br>ARRVFYKIDTASPLNPEAAVLYEKDIQLFKSKVVDSVKVCTARLFQPKIEDPYAISFSP<br>WNPSVHDEAREKMLT |
| <b>Format</b>                | Liquid  |
| <b>Size</b>                  | 100 µg  |
| <b>Buffer</b>                | In 1x PBS, pH 7.2   |
| <b>Storage</b>               | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |

## BACKGROUND

**Introduction**

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 PKBs regulatory sites. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

**Keywords**

AKTIP; AKT interacting protein; FT1; FTS; AKT-interacting protein; fused toes homolog; fused toes protein homolog;

## GENE INFORMATION

**Entrez Gene ID**

[64400](#)

**UniProt ID**

[Q9H8T0](#)

**Function**

protein binding; NOT small conjugating protein ligase activity