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FTS Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant FTS.
Catalog # AT2116a

Product Information

Application	WB
Primary Accession	Q9H8T0
Other Accession	BC001134
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2A11
Calculated MW	33128

Additional Information

Gene ID	64400
Other Names	AKT-interacting protein, Ft1, Fused toes protein homolog, AKTIP, FTS
Target/Specificity	FTS (AAH01134, 1 a.a. ~ 292 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FTS Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

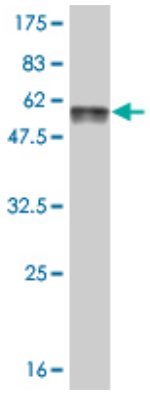
Background

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.

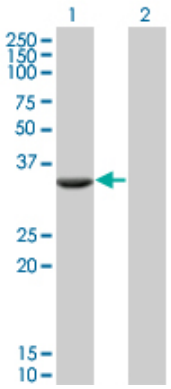
References

Common alleles in candidate susceptibility genes associated with risk and development of epithelial ovarian cancer. Notaridou M, et al. Int J Cancer, 2010 Jul 15. PMID 20635389.Functional complementation studies identify candidate genes and common genetic variants associated with ovarian cancer survival. Quaye L, et al. Hum Mol Genet, 2009 May 15. PMID 19270026.An FTS/Hook/p107(FHIP) complex interacts with and promotes endosomal clustering by the homotypic vacuolar protein sorting complex. Xu L, et al. Mol Biol Cell, 2008 Dec. PMID 18799622.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (57.86 KDa) .



Western Blot analysis of FTS expression in transfected 293T cell line by FTS monoclonal antibody (M02), clone 2A11.

Lane 1: FTS transfected lysate(33.1 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.