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FTS Antibody (monoclonal) (M02)

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

Specification

FTS Antibody (monoclonal) (M02) - Product Information

Application	**WB**
Primary Accession	Q9H8T0
Other Accession	BC001134
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**33128**

FTS Antibody (monoclonal) (M02) - 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.

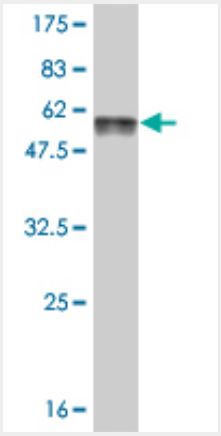
FTS Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

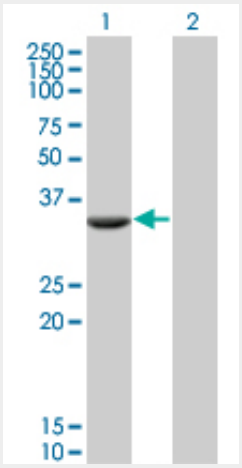
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FTS Antibody (monoclonal) (M02) - 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.

FTS Antibody (monoclonal) (M02) - 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.

FTS Antibody (monoclonal) (M02) - 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.