



FAST Monoclonal Antibody

Catalog No	YP-mAb-00395
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FASTK
Protein Name	Fas-activated serine/threonine kinase
Immunogen	The antiserum was produced against synthesized peptide derived from human FAST. AA range:361-410
Specificity	FAST Monoclonal Antibody detects endogenous levels of FAST protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FASTK; Fas-activated serine/threonine kinase; FAST kinase
Observed Band	61kD
Cell Pathway	[Isoform 4]: Mitochondrion matrix . Colocalizes with mitochondrial RNA granules. .
Tissue Specificity	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Function	catalytic activity:ATP + [Fas-activated serine/threonine protein] = ADP + [Fas-activated serine/threonine phosphoprotein].,function:Fas-mediated apoptosis is characterized by FASTK-dephosphorylation and TIA-1-phosphorylation. Both are activated and FASTK-mediated TIA-1 activation play a key role in apoptosis.,PTM:Phosphorylated on serine/threonine.,similarity:Belongs to the FAST protein kinase family.,similarity:Contains 1 RAP domain.,subunit:Interacts with TIA-1.,tissue specificity:Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,
Background	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase was shown to be activated rapidly during Fas-mediated apoptosis in Jurkat cells. In response to Fas receptor ligation, it phosphorylates TIA1, an apoptosis-promoting nuclear RNA-binding protein. The encoded protein is a strong inducer of lymphocyte apoptosis. Two transcript variants encoding



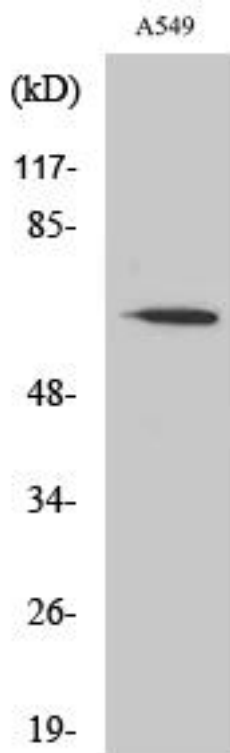
different isoforms have been found for this gene. Other variants exist, but their full-length natures have not yet been determined. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using FAST Monoclonal Antibody