



# FAST Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-00395
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	FASTK
<b>Protein Name</b>	Fas-activated serine/threonine kinase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FAST. AA range:361-410
<b>Specificity</b>	FAST Polyclonal Antibody detects endogenous levels of FAST protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	FASTK; Fas-activated serine/threonine kinase; FAST kinase
<b>Observed Band</b>	61kD
<b>Cell Pathway</b>	[Isoform 4]: Mitochondrion matrix . Colocalizes with mitochondrial RNA granules. .
<b>Tissue Specificity</b>	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
<b>Function</b>	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.,
<b>Background</b>	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],

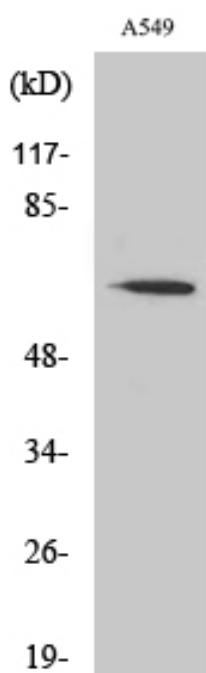
**matters needing attention**

Avoid repeated freezing and thawing!

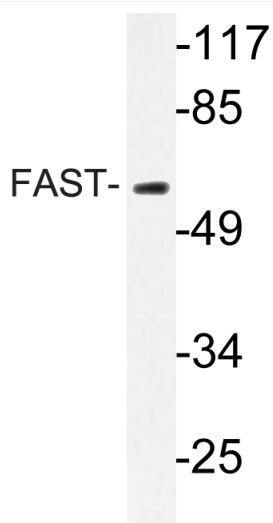
**Usage suggestions**

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 Polyclonal Antibody



Western blot analysis of lysate from A549 cells, using FAST antibody.