

**FASTK Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12464b****Specification**

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**FASTK Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q14296</a>
Other Accession	<a href="#">NP_006703.1</a> , <a href="#">NP_148936.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61104
Antigen Region	395-424

**FASTK Antibody (C-term) - Additional Information****Gene ID** 10922**Other Names**

Fas-activated serine/threonine kinase, FAST kinase, FASTK

**Target/Specificity**

This FASTK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 395-424 amino acids from the C-terminal region of human FASTK.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FASTK Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FASTK Antibody (C-term) - Protein Information****Name** FASTK

**Function** Phosphorylates the splicing regulator TIA1, thereby promoting the inclusion of FAS exon 6, which leads to an mRNA encoding a pro- apoptotic form of the receptor.

**Cellular Location**

[Isoform 4]: Mitochondrion matrix. Note=Colocalizes with mitochondrial RNA granules.

**Tissue Location**

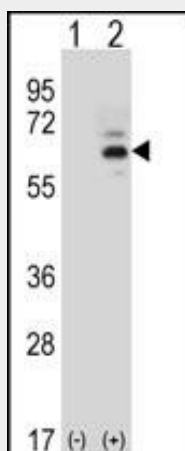
Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

**FASTK Antibody (C-term) - Protocols**

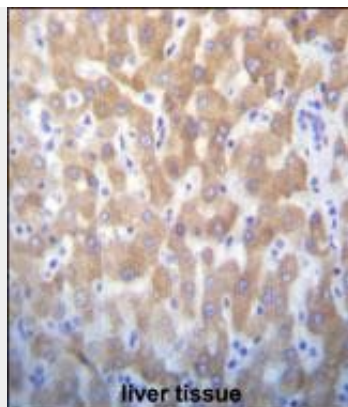
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FASTK Antibody (C-term) - Images**



Western blot analysis of FASTK (arrow) using rabbit polyclonal FASTK Antibody (C-term) (Cat. #AP12464b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FASTK gene.



FASTK Antibody (C-term) (Cat. #AP12464b) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FASTK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **FASTK Antibody (C-term) - 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.

#### **FASTK Antibody (C-term) - References**

Simarro, M., et al. J. Immunol. 184(9):5325-5332(2010)  
de Krom, M., et al. Biol. Psychiatry 65(7):625-630(2009)  
Simarro, M., et al. Proc. Natl. Acad. Sci. U.S.A. 104(27):11370-11375(2007)  
Wu, C., et al. Proteomics 7(11):1775-1785(2007)  
Izquierdo, J.M., et al. J. Biol. Chem. 282(3):1539-1543(2007)