

# FASTKD3 Polyclonal antibody

Catalog Number: 18392-1-AP

Featured Product

1 Publications

## Basic Information

## Catalog Number:

18392-1-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG13083

## GenBank Accession Number:

BC001295

## GeneID (NCBI):

79072

## UNIPROT ID:

Q14CZ7

## Full Name:

FAST kinase domains 3

## Calculated MW:

76 kDa

## Observed MW:

70 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Cited Applications:

WB

## Species Specificity:

human

## Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : HepG2 cells, HeLa

IHC : human breast cancer tissue,

IF/ICC : transfected cells, HeLa cells, HepG2 cells

## Background Information

FAST kinase domain-containing protein 3 (FASTKD3) belongs to FASTKD family. FASTKD3 is an essential component of mitochondrial respiration that may modulate energy balance in cells exposed to adverse conditions by functionally coupling mitochondrial protein synthesis to respiration. The expression of endogenous FASTKD3 is very weak. This antibody detects the c-terminal of FASTKD3.

## Notable Publications

Author	Pubmed ID	Journal	Application
Erik Boehm	27789713	J Biol Chem	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

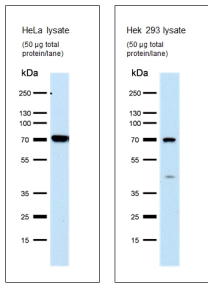
For technical support and original validation data for this product please contact:

T: 4006900926

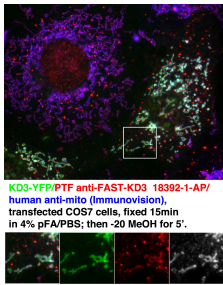
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

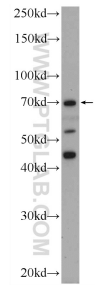
Selected Validation Data



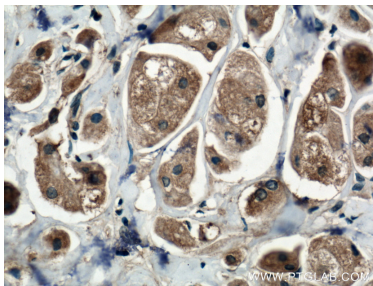
WB result of FASTKD3 antibody (18392-1-AP, 1:200) with HeLa and 293 cell lysate by Maciej Szewczyk University of Warsaw.



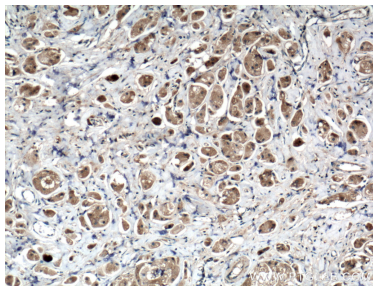
IF result of anti-FASTKD3 (18392-1-AP, 1:200) with transfected COS7 cell by Dr. Nancy Kedersha.



HepG2 cells were subjected to SDS PAGE followed by western blot with 18392-1-AP (FASTKD3 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18392-1-AP (FASTKD3 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18392-1-AP (FASTKD3 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).