

For Research Use Only

FASTKD3 Polyclonal antibody

Catalog Number: 18392-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

18392-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

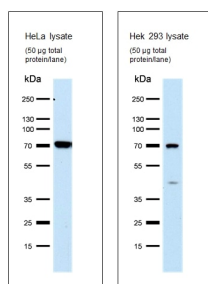
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

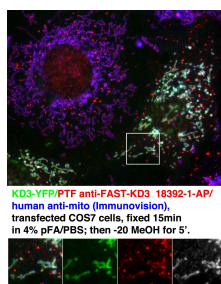
E: proteintech@ptglab.com
W: ptglab.com

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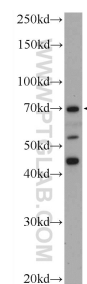
Selected Validation Data



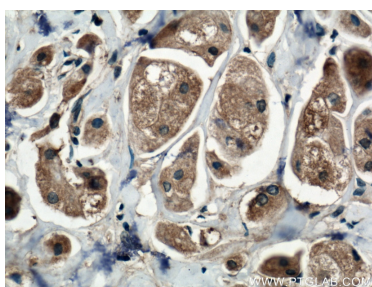
WB result of FASTKD3 antibody (18392-1-AP, 1:200) with HeLa and 293 cell lysate by Maciej Szewczyk University of Warsaw.



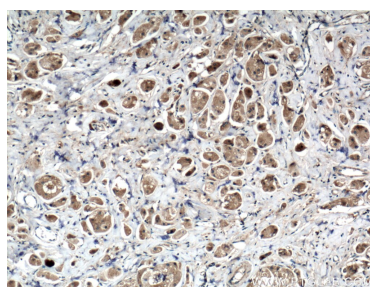
IF result of anti-FASTKD3 (18392-1-AP, 1:200) with transfected COS7 cell by Dr. Nancy Kedersha.



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).