

For Research Use Only

# FASTKD3 Polyclonal antibody

Catalog Number: 18392-1-AP

Featured Product

1 Publications



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>18392-1-AP   | <b>GenBank Accession Number:</b><br>BC001295 | <b>Purification Method:</b><br>Antigen affinity purification                        |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>79072               | <b>Recommended Dilutions:</b><br>WB 1:200-1:1000<br>IHC 1:50-1:500<br>IF 1:20-1:200 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>FAST kinase domains 3   |   |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>76 kDa              |   |
| <b>Immunogen Catalog Number:</b><br>AG13083  | <b>Observed MW:</b><br>70 kDa                |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>IF, IHC, WB, ELISA | <b>Positive Controls:</b><br>WB : HepG2 cells, HeLa    |
| <b>Cited Applications:</b><br>WB                  | <b>IHC :</b> human breast cancer tissue,               |
| <b>Species Specificity:</b><br>human              | <b>IF :</b> transfected cells, HeLa cells, HepG2 cells |
| <b>Cited Species:</b><br>human                    |  |

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

## 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

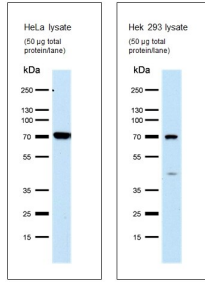
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

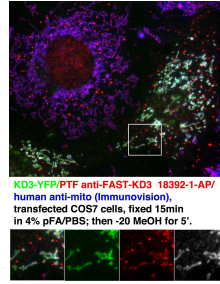
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

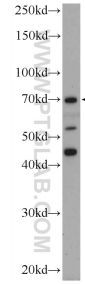
## Selected Validation Data



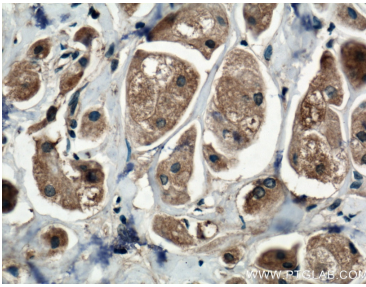
WB result of FASTKD3 antibody (18392-1-AP, 1:200) with HeLa and 293 cell lysate by Maciej Szewczyk University of Warsaw.



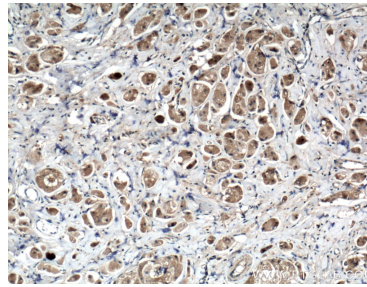
IF result of anti-FASTKD3 (18392-1-AP, 1:200) with transfected COS7 cell by Dr. Nancy Kedersha.



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).