

For Research Use Only

FASTKD2 Polyclonal antibody

Catalog Number: 17464-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

17464-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11314

GenBank Accession Number:

BC001544

GeneID (NCBI):

22868

UNIPROT ID:

Q9NYY8

Full Name:

FAST kinase domains 2

Calculated MW:

710 aa, 81 kDa

Observed MW:

55-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, RIP, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, zebrafish

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells

IP : HepG2 cells,

IF : COS7 cells, U2OS cells

Background Information

FASTKD2 encodes a FAS-activated serine-threonine (FAST) kinase domain 2 which locates in the mitochondrial inner compartment. FASTKD2 is a member of the human FASTK protein family, formed by six architecturally related proteins named FASTK and FASTKD1-5 that localize to mitochondria. The predicted MW of FASTKD2 is 81 kDa, yet the western blot of FASTKD2 revealed a band of ~60 kDa. (PMID: 26370583, PMID: 26990993, PMID: 25683715)

Notable Publications

Author	Pubmed ID	Journal	Application
Timo Rey	32989247	Nat Cell Biol	IF, WB
Jason D Arroyo	27667664	Cell Metab	WB
Christopher Lowden	34525369	Cell Rep	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:

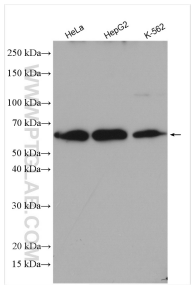
T: 4006900926

E: Proteintech-CN@ptglab.com

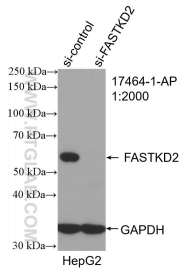
W: ptgcn.com

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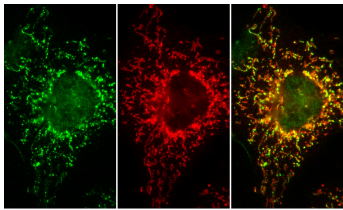
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17464-1-AP (FASTKD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

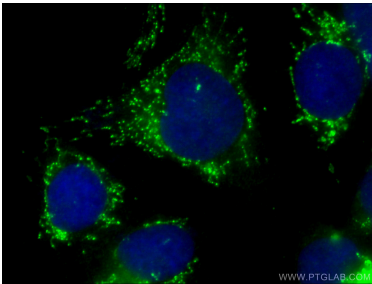


WB result of FASTKD2 antibody (17464-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FASTKD2 transfected HepG2 cells.

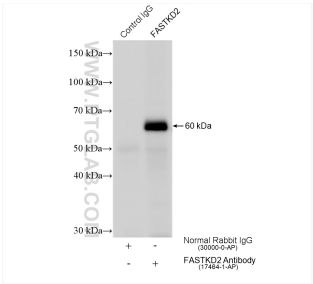


Endogenous protein in COS7 cells detected with 17464-1-AP FAST KD2 and counterstained with human anti-mitochondrial antibody (immunovision). Cells were fixed with paraformaldehyde and permeabilized with -20 methanol; similar results were obtained using detergent permeabilization following paraformaldehyde fixation.

IF result of anti-FASTKD2 (17464-1-AP) with COS7 cells.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using 17464-1-AP (FASTKD2 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-FASTKD2 (IP:17464-1-AP, 4ug; Detection:17464-1-AP 1:1000) with HepG2 cells lysate 2040 ug.