

For Research Use Only

CFLAR/FLIP Polyclonal antibody

Catalog Number: 10394-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

10394-1-AP

Size:

150ul, Concentration: 1200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0593

GenBank Accession Number:

BC001602

GeneID (NCBI):

8837

UNIPROT ID:

O15519

Full Name:

CASP8 and FADD-like apoptosis regulator

Calculated MW:

52 kDa

Observed MW:

20-35 kDa, 50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, rat

Positive Controls:

WB: Jurkat cells, HepG2 cells, HeLa cells

IP: Jurkat cells,

IHC: mouse skeletal muscle tissue, human skeletal muscle tissue

IF/ICC: HeLa cells,

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

CFLAR, also named CASH, CASP8AP1, CLARP, MRIT, Casper, c-FLIP, and I-FLICE, belongs to the peptidase C14A family. It is an apoptosis regulator protein that may function as a crucial link between cell survival and cell death pathways in mammalian cells. CFLAR acts as an inhibitor of TNFRSF6-mediated apoptosis. It can be cleaved to be 2 fragments P43 and P12. P43 is likely retained in the death-inducing signaling complex (DISC) thereby blocking further recruitment and processing of caspase-8 at the complex. Full-length and shorter isoforms have been shown either to induce apoptosis or to reduce TNFRSF-triggered apoptosis. CFLAR lacks enzymatic (caspase) activity.

Notable Publications

Author	Pubmed ID	Journal	Application
Leah Fitzsimmons	28960205	Cell Death Differ	WB
Jingwen Tan	36208777	Chem Biol Interact	WB
Yong Zhang	34734480	J Cell Mol Med	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

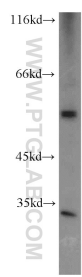
For technical support and original validation data for this product please contact:

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

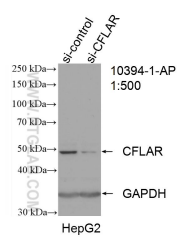
E: proteintech@ptglab.com
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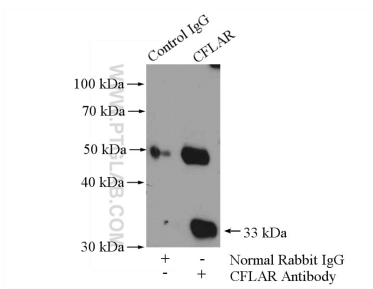
Selected Validation Data



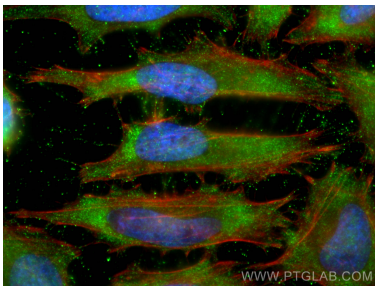
Jurkat cells were subjected to SDS PAGE followed by western blot with 10394-1-AP (CFLAR/FLIP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



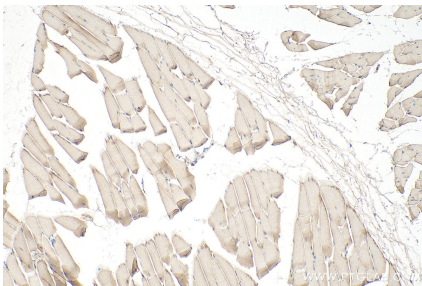
WB result of CFLAR/FLIP antibody (10394-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-CFLAR/FLIP transfected HepG2 cells.



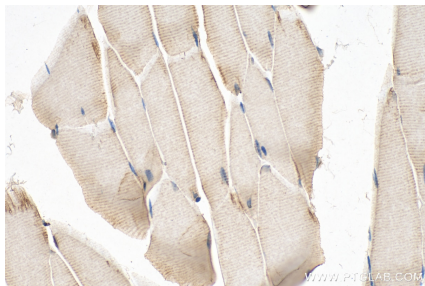
IP result of anti-CFLAR/FLIP (IP:10394-1-AP, 4ug; Detection:10394-1-AP 1:500) with Jurkat cells lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CFLAR/FLIP antibody (10394-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 10394-1-AP (CFLAR/FLIP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 10394-1-AP (CFLAR/FLIP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).