

For Research Use Only

Caspase 2/P32/P18 Polyclonal antibody

Catalog Number: 10436-1-AP

10 Publications



Basic Information

Catalog Number:

10436-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0694

GenBank Accession Number:

BC002427

GeneID (NCBI):

835

UNIPROT ID:

P42575

Full Name:

caspase 2, apoptosis-related cysteine peptidase

Calculated MW:

452 aa, 51 kDa

Observed MW:

48-51 kDa, 32 kDa, 18kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF, RIP, ELISA

Species Specificity:

human, mouse

Cited Species:

human, mouse, rabbit

Positive Controls:

WB : Staurosporine treated Jurkat cells, HeLa cells, mouse liver tissue

IP : HeLa cells,

IHC : human kidney tissue,

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

CASP2(Caspase-2) is also named as ICH1, NEDD2 and belongs to the peptidase C14A family. It is involved in the activation cascade of caspases responsible for apoptosis execution and might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival. It has 2 isoforms produced by alternative splicing and can exist almost as a dimer in solution (PMID:15865942).

Notable Publications

Author	Pubmed ID	Journal	Application
Bei Wang	34046026	Front Microbiol	WB, IF
Guo-Jian Jiang	33798551	Life Sci	RIP
Wen Su	32210806	Front Pharmacol	

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

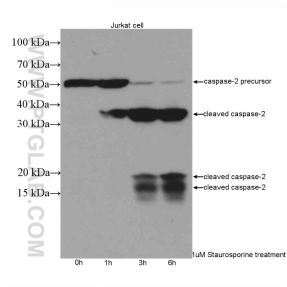
For technical support and original validation data for this product please contact:

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

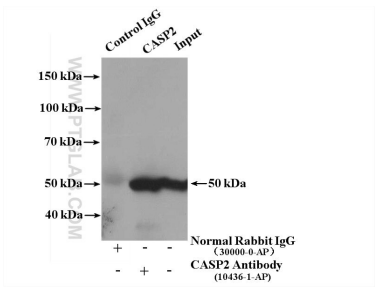
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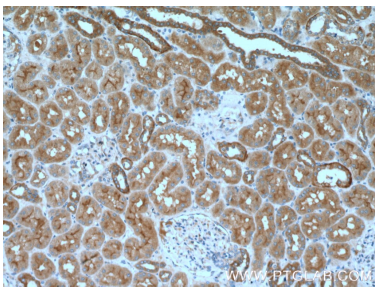
Selected Validation Data



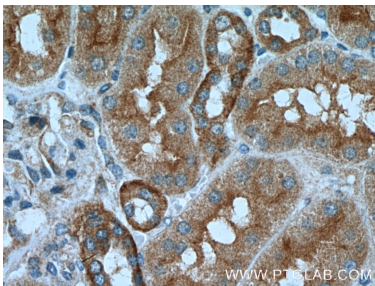
Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 10436-1-AP (Caspase 2/P32/P18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-Caspase 2/P32/P18 (IP:10436-1-AP, 4ug; Detection:10436-1-AP 1:2000) with HeLa cells lysate 3000 ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10436-1-AP (Caspase 2/P32/P18 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10436-1-AP (Caspase 2/P32/P18 antibody at dilution of 1:200 (under 40x lens).