

For Research Use Only

# Caspase 8/P43/P18 Polyclonal antibody

Catalog Number: 13423-1-AP

Featured Product

349 Publications



## Basic Information

### Catalog Number:

13423-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4214

### GenBank Accession Number:

BC028223

### GeneID (NCBI):

841

### UNIPROT ID:

Q14790

### Full Name:

caspase 8, apoptosis-related cysteine peptidase

### Calculated MW:

538 aa, 62 kDa

### Observed MW:

53-57 kDa, 32-45 kDa

### 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 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, RIP, ELISA

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, pig, rabbit, chicken, zebrafish, hamster, sheep

**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 : Staurosporine treated Jurkat cells, UV treated HeLa, RAW264.7

IP : HeLa cells, Jurkat cells

IHC : human lymphoma tissue, human colon tissue

IF/ICC : HepG2 cells,

## Background Information

CASP8, also named as MCH5, MACH, FLICE, and CAP4, belongs to the peptidase C14A family. It may participate in the GZMB apoptotic pathways and functions as an upstream regulator in a-bisabolol-induced apoptosis. CASP8 catalyzes an essential intermediate step in the ubiquitination and proteasome-mediated degradation of IRF3 (PMID:21816816). It may control diabetic embryopathy-associated apoptosis via regulation of the Bid-stimulated mitochondrion/caspase-9 pathway (PMID:19194987). CASP8 is expressed as nine isoforms by alternative splicing with the molecular mass from 26 kDa to 62 kDa. This antibody can recognize the pro- and cleaved-caspase 8.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuqian Wang	32942847	J Agric Food Chem	WB
Faisal Aziz	26427350	Toxicol In Vitro	WB
Yuqing Mao	26451091	Drug Des Devel Ther	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

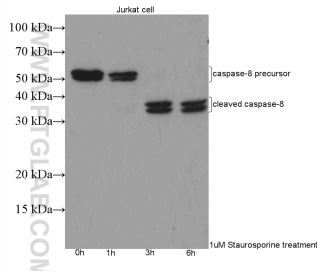
For technical support and original validation data for this product please contact:

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

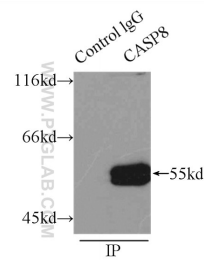
E: proteintech@ptglab.com  
W: ptglab.com

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

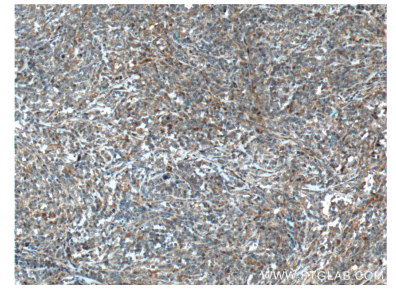
## Selected Validation Data



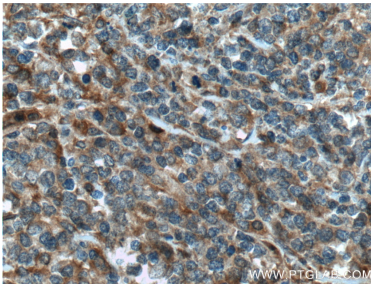
Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 13423-1-AP (Caspase 8/P43/P18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



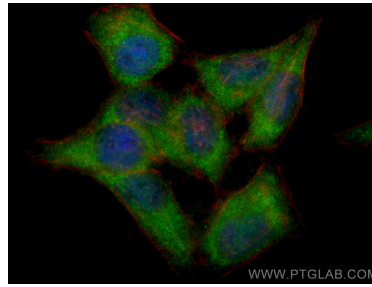
IP result of anti-Caspase 8/P43/P18 (IP:13423-1-AP, 3 μg; Detection:13423-1-AP 1:500) with HeLa cells lysate 2500 μg.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 13423-1-AP (Caspase 8/P43/P18 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 human lymphoma tissue slide using 13423-1-AP (Caspase 8/P43/P18 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Caspase 8/P43/P18 antibody (13423-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).