For Research Use Only

Caspase 8/p43/p18 Polyclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:13423-1-AP Featured Product 289 Publications

Basic Information

Catalog Number:
13423-1-AP

Size:
650 μg/ml

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 1:50-1:500

Applications

Tested Applications:
IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
ELISA, IF, IHC, IP, RIP, WB

Species Specificity:
human, mouse

Cited Species:
human, chicken, rat, mouse, rabbit, pig

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, RAW264.7, HeLa cells, Raji cells, Jurkat cells, UV treated Hela, Sp2/0 cells

IP : HeLa cells, Jurkat cells

IHC : human lymphoma tissue, human colon tissue

IF : 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

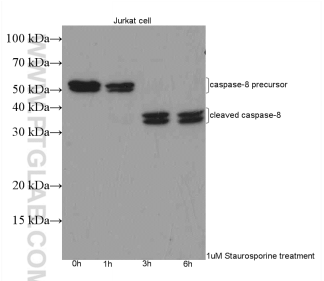
Author	Pubmed ID	Journal	Application
Yuqian Wang	32942847	J Agric Food Chem	WB
Faisal Aziz	26427350	Toxicol In Vitro	WB
Yuqing Mao	26451091	Drug Des Devel Ther	WB

Storage

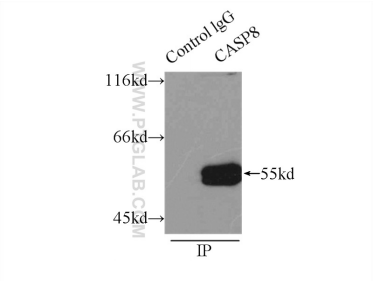
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

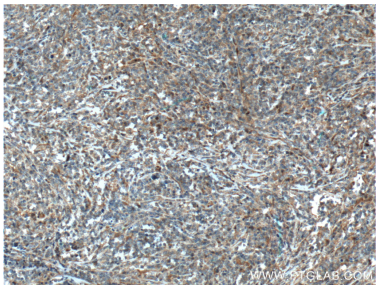
Selected Validation Data



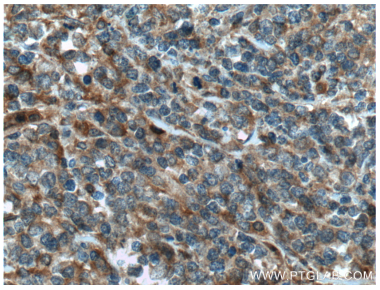
Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 13423-1-AP (Caspase 8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



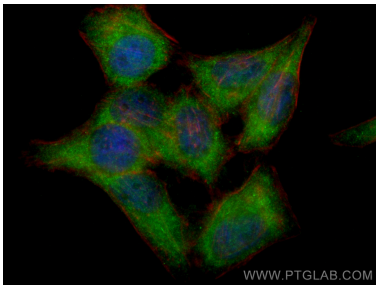
IP result of anti-Caspase 8/p43/p18 (IP:13423-1-AP, 3ug; Detection:13423-1-AP 1:500) with HeLa cells lysate 2500ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 13423-1-AP (Caspase 8 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 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).