À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Caspase 3/p17/p19

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

Numéro de catalogue:19677-1-AP Phare 1838 Publications

Informations de base

Numéro de catalogue:
19677-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_004346

Identification du gène (NCBI):
836

Nom complet:
caspase 3, apoptosis-related cysteine peptidase

MW calculé
32 kDa

MW observés:
32-35 kDa, 17 kDa, 19 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
ELISA, IF, IHC, IP, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Chèvre, Humain, Lapin, poisson-zèbre, poulet, rat, singe, souris, Hamster

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules Jurkat, cellules HeLa, tissu cérébral de rat, tissu hépatique de rat, tissu splénique de souris

IP : cellules NIH/3T3,

IHC : tissu cérébral de souris, tissu dentaire humain, tissu rénal humain, tissu splénique humain

IF : cellules NIH/3T3, cellules HeLa, tissu cérébral de souris

Informations générales

Caspases, a family of endoproteases, are critical players in cell regulatory networks controlling inflammation and cell death. Initiator caspases (caspase-2, -8, -9, -10, -11, and -12) cleave and activate downstream effector caspases (caspase-3, -6, and -7), which in turn execute apoptosis by cleaving targeted cellular proteins. Caspase 3 (also named CPP32, SCA-1, and Apopain) proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at the beginning of apoptosis. Caspase 3 plays a key role in the activation of sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Caspase 3 can also form heterocomplex with other proteins and performs the molecular mass of 50-70 kDa(PMID:9747872). This antibody can recognize p17, p19 and p32 of Caspase 3.

Publications notables

Autrice	Pubmed ID	Journal	Application
Ji Xing	36230734	Cancers (Basel)	WB
Xin Shen	36184549	Int Heart J	WB
Yang Liu	36249783	Front Pharmacol	IHC

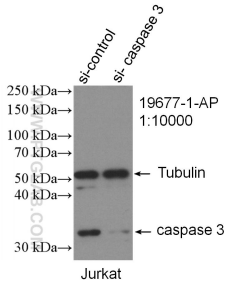
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

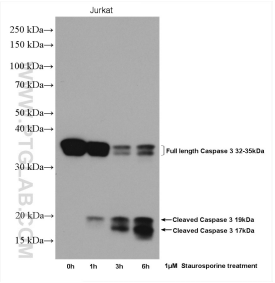
***** Les 20ul contiennent 0,1% de BSA.**

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

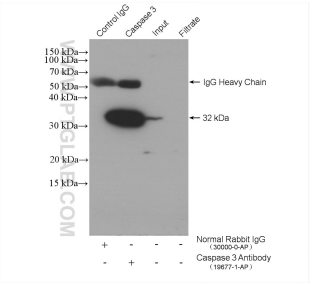
Données de validation sélectionnées



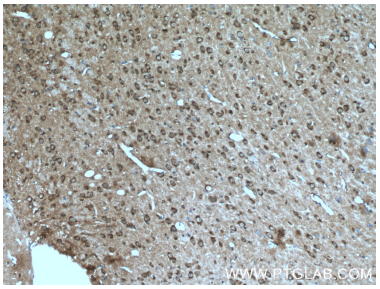
WB result of Caspase 3 antibody (19677-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Caspase 3 transfected Jurkat cells.



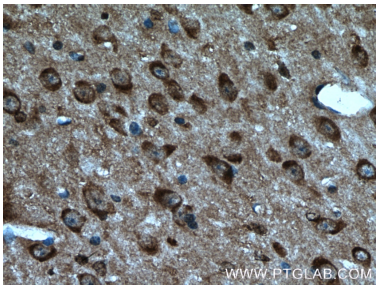
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 19677-1-AP (Caspase 3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



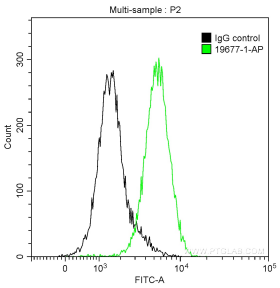
IP result of anti-Caspase 3 (IP:19677-1-AP, 4ug; Detection:19677-1-AP 1:300) with NIH/3T3 cells lysate 3440 ug.



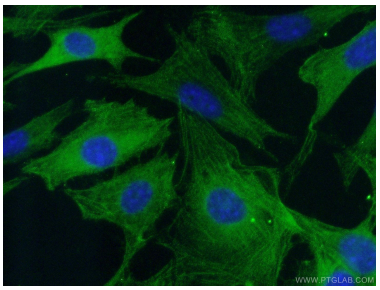
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19677-1-AP (Caspase 3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19677-1-AP (Caspase 3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human Caspase 3/p17/p19 (19677-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 19677-1-AP (Caspase 3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).