Nur für Forschungszwecke

Caspase 3/p17/p19 Polyklonaler Antikörper

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Antibodies | ELISA kits | Proteins
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Katalog-Nr.:19677-1-AP Vorgestelltes Produkt 1767 Publikationen

Allgemeine Informationen

Katalog-Nr.:
19677-1-AP

Größe:
150ul , Konzentration: 600 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
NM_004346

GeneID (NCBI):
836

Vollständiger Name:
caspase 3, apoptosis-related cysteine peptidase

Berechneté Masse:
32 kDa

Beobachteté Masse:
32-35 kDa, 17 kDa, 19 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2000
IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
IHC 1:50-1:500
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
ELISA, IF, IHC, IP, RIP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Affe, Ente, Hamster, Hausschwein, Huhn, Human, Hund, Maus, Rind, Ziege

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Jurkat-Zellen, HeLa-Zellen, Mausmilzgewebe, Rattenhirngewebe, Rattenlebergewebe

IP : NIH/3T3-Zellen,

IHC : Maushirngewebe, humanes Milzgewebe, humanes Nierengewebe, humanes Zahngewebe

IF : NIH/3T3-Zellen, HeLa-Zellen, Maushirngewebe

Hintergrundinformationen

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. This antibody can recognize p17, p19 and p32 of Caspase 3.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xin Shen	36184549	Int Heart J	WB
Xiao-Feng Zhu	36180975	Phytother Res	WB
Ji Xing	36230734	Cancers (Basel)	WB

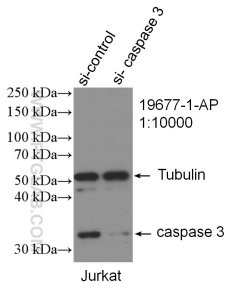
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

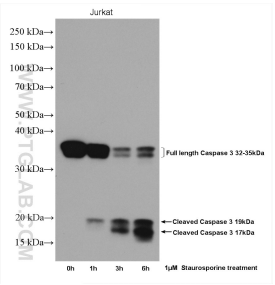
*** 20ul-Größen enthalten 0.1% BSA

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

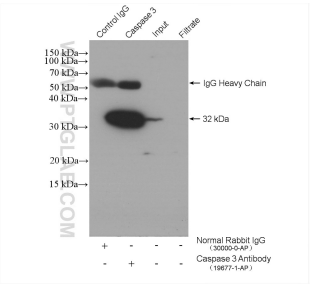
Ausgewählte Validierungsdaten



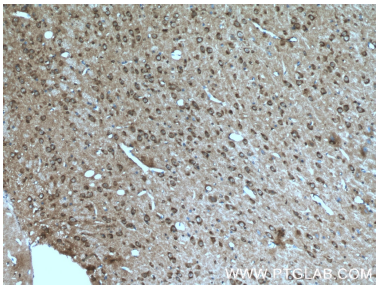
WB result of Caspase 3 antibody (19677-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Caspase 3 transfected Jurkat cells.



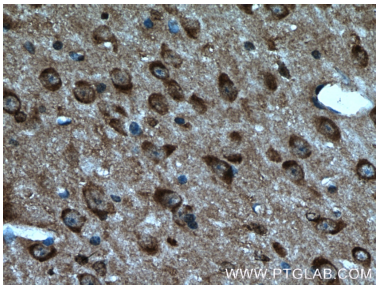
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 19677-1-AP (Caspase 3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



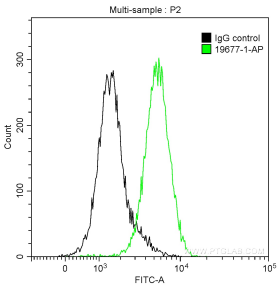
IP result of anti-Caspase 3 (IP:19677-1-AP, 4ug; Detection:19677-1-AP 1:300) with NIH/3T3 cells lysate 3440 ug.



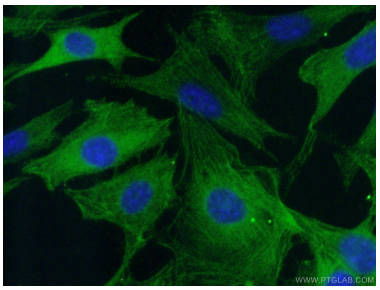
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19677-1-AP (Caspase 3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).