

Nur für Forschungszwecke

cleaved-Caspase 3 Polyklonaler Antikörper



Katalog-Nr.: 25546-1-AP

126 Publikationen

Allgemeine Informationen

Katalog-Nr.:

25546-1-AP

Größe:

150ul, Konzentration: 320 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_032991

GeneID (NCBI):

836

Vollständiger Name:

caspase 3, apoptosis-related cysteine peptidase

Berechnete Masse:

32 kDa

Beobachtete Masse:

17 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IP 0.5-4.0 µg für IP und 1:200-1:1000

für WB

IHC 1:20-1:200

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hamster, Human, Maus, Ratte

Positivkontrollen:

WB: mit Tunicamycin behandelte HepG2-Zellen, mit Staurosporin behandelte Jurkat-Zellen, mit Tunicamycin behandelte HeLa-Zellen

IP: Jurkat-Zellen,

IHC: humanes Skelettmuskulgewebe,

IF: HepG2-Zellen,

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

Hintergrundinformationen

Caspase 3, also named as CPP32, SCA-1 and Apopain, belongs to the peptidase C14A family. Caspase 3 is involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-Gly-217' bond. Caspase 3 cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. CASP3 is involved in the cleavage of huntingtin. The antibody can recognize active-caspase 3.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Samana Batool	30274346	Int J Mol Sci	WB
Genquan Yue	31702026	Mol Med Rep	WB
Kate D Meyer	31548708	Nat Methods	

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

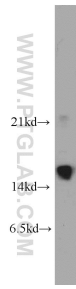
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

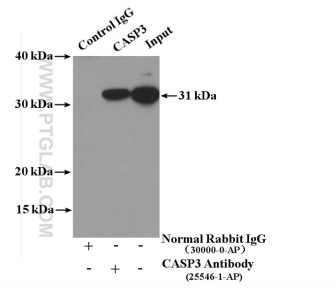
E: proteintech@ptglab.com
W: ptglab.com

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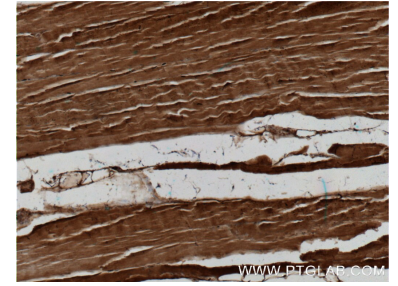
Ausgewählte Validierungsdaten



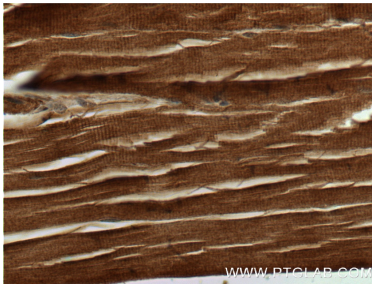
Tunicamycin treated HepG2 cells were subjected to SDS PAGE followed by western blot with 25546-1-AP (Caspase 3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



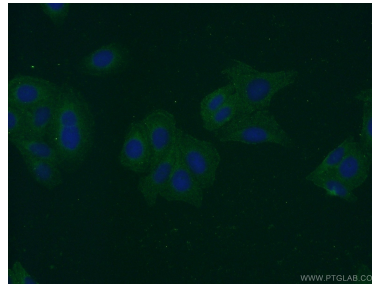
IP Result of anti-Caspase 3 (IP:25546-1-AP, 4ug; Detection:25546-1-AP 1:300) with Jurkat cells lysate 3200ug.



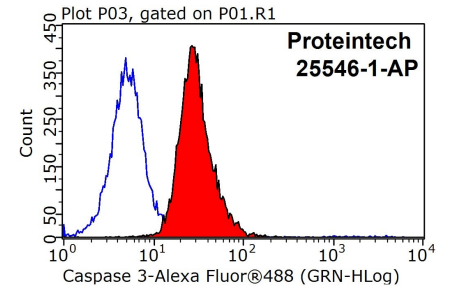
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25546-1-AP (Caspase 3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25546-1-AP (Caspase 3 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 25546-1-AP (Caspase 3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were stained with 0.2ug Caspase 3 antibody (25546-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.