

Nur für Forschungszwecke

# Caspase 9/p35/p10 Polyklonaler Antikörper



Katalog-Nr.:10380-1-AP

Vorgestelltes Produkt

621 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10380-1-AP	<b>GenBank-Zugangsnummer:</b> BC002452	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 842	<b>Empfohlene Verdünnungen:</b> WB 1:300-1:1000 IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> caspase 9, apoptosis-related cysteine peptidase	<b>IHC 1:50-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 46 kDa	
<b>Immunogen Katalognummer:</b> AG0404	<b>Beobachtete Masse:</b> 46 kDa, 30-39 kDa	

## Anwendungen

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

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

**Getestete Reaktivität:**  
Human, Maus, Ratte

**Zitierte Arten:**  
Hamster, Hausschwein, Human, Hund, Kaninchen, Maus, Ratte, Rind, Ziege

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

**Positivkontrollen:**

**WB:** Jurkat-Zellen, HeLa-Zellen, HL-60-Zellen, mit Staurosporin behandelte Jurkat-Zellen

**IP:** HeLa-Zellen,

**IHC:** humanes Herzgewebe, Mauslungengewebe

**IF:** HepG2-Zellen,

## Hintergrundinformationen

Caspase 9, apoptosis-related cysteine protease (CASP9, synonyms: MCH6, APAF3, APAF-3, ICE-LAP6, CASPASE-9c) is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. Caspase 9 is processed by APAF1; this step is thought to be one of the earliest in the caspase activation cascade. 10380-1-AP can recognize the pre- and cleaved- caspase 9. In recent years, the localization of caspase 9 was a focus of interest. Beside its cytoplasmic distribution, a very extensive localization study was done on rat brain tissue, where caspase 9 was found located predominantly in the nucleus and to a lesser extent in the cytoplasm [PMID: 15541731].

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiao-Feng Zhu	36180975	Phytother Res	WB
Faisal Aziz	26427350	Toxicol In Vitro	WB
Zilu Zhang	34570444	Cancer Biol Med	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

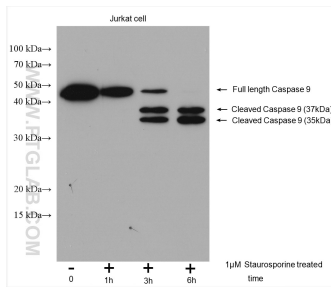
For technical support and original validation data for this product please contact:

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

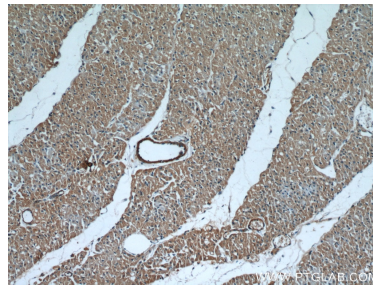
E: proteintech@ptglab.com  
W: ptglab.com

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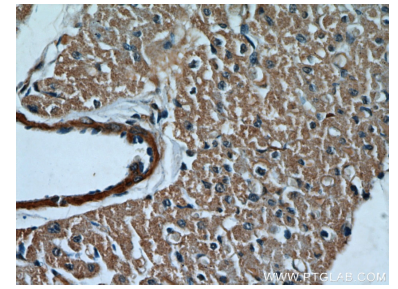
## Ausgewählte Validierungsdaten



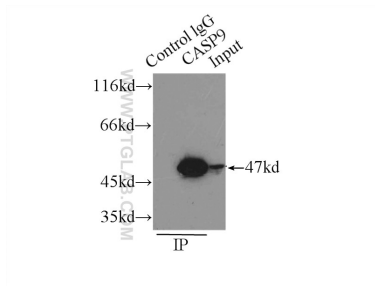
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 10380-1-AP (Caspase 9/p35/p10 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



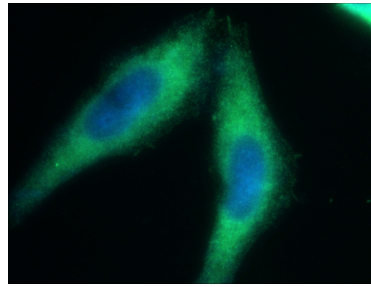
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10380-1-AP (Caspase 9/p35/p10 antibody) at dilution of 1:50 (under 10x lens).



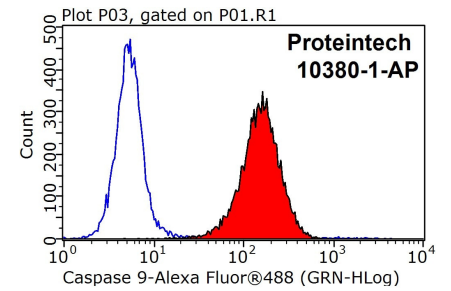
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10380-1-AP (Caspase 9/p35/p10 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-Caspase 9/p35/p10 (IP:10380-1-AP, 3ug; Detection:10380-1-AP 1:200) with HeLa cells lysate 2500 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 10380-1-AP (Caspase 9/p35/p10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug Caspase 9/p35/p10 antibody (10380-1-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.