

Nur für Forschungszwecke

# Caspase 3/p17/p19 Monoklonaler Antikörper



Katalog-Nr.: 66470-2-Ig

Vorgestelltes Produkt

186 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66470-2-Ig	<b>GenBank-Zugangsnummer:</b> BC016926	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1500 µg/ml von 836 Nanodrop;	<b>GeneID (NCBI):</b> 2277	<b>CloneNo.:</b> 2G4B2
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> caspase 3, apoptosis-related cysteine peptidase	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:3000 IHC 1:150-1:600 IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 277 aa, 32 kDa	
<b>Immunogen Katalognummer:</b> AG25029	<b>Beobachtete Masse:</b> 32-35 kDa, 19 kDa, 17 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

ICC, IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Hausschwein, Huhn, Human, Hund, Maus, Pflanze, Ratte

**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, HEK-293-Zellen, HepG2-Zellen, NIH/3T3-Zellen

**IHC:** humanes Mammakarzinomgewebe, Mausebergewebe, Mausnierengewebe

**IF:** humanes Mammakarzinomgewebe,

## 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
Jingjing Zheng	32978798	Ann N Y Acad Sci	WB
Yang Liu	36149580	Cell Stress Chaperones	WB
Yaling Zhang	36233452	J Clin Med	IF

## 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

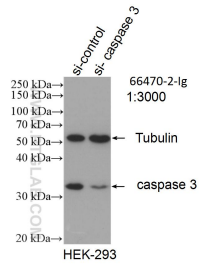
For technical support and original validation data for this product please contact:

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

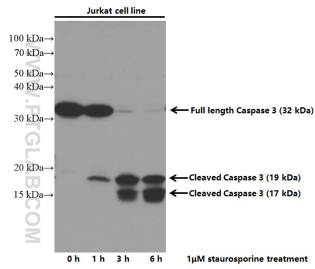
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

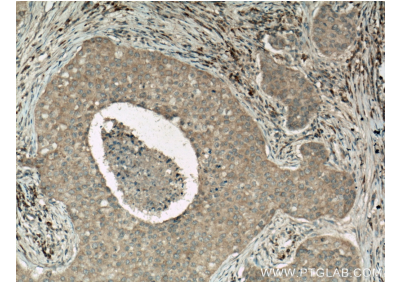
## Ausgewählte Validierungsdaten



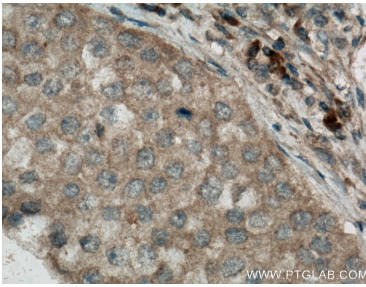
WB result of Caspase 3 antibody (66470-2-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Caspase 3 transfected HEK-293 cells.



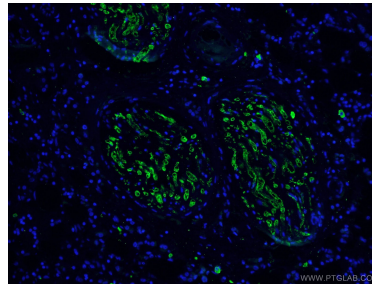
Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66470-2-Ig (CASP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66470-2-Ig (CASP3 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66470-2-Ig (CASP3 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66470-2-Ig (CASP3 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).