

Nur für Forschungszwecke

# Calpain 1 Polyklonaler Antikörper

Katalog-Nr.:10538-1-AP

Vorgestelltes Produkt

23 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
10538-1-AP

Größe:

150ul, Konzentration: 450 µg/ml von  
Nanodrop und 347 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:  
AG0810

GenBank-Zugangsnummer:

BC008751

GeneID (NCBI):

823

Vollständiger Name:

calpain 1, (mu/l) large subunit

Berechnete Masse:

704 aa, 82 kDa

Beobachtete Masse:

75 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 ug für IP und 1:500-1:2000  
für WB

IHC 1:100-1:400

IF 1:10-1:100

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB : HeLa-Zellen, A2780-Zellen, A431-Zellen, HepG2-  
Zellen, Jurkat-Zellen, K-562-Zellen,  
Maushodengewebe, PC-3-Zellen

IP : HeLa-Zellen,

IHC : humanes Urothelkarzinomgewebe, humanes  
Herzgewebe, humanes Hodengewebe

IF : HeLa-Zellen,

## Hintergrundinformationen

### Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shuchao Wang	30240910	Ann Anat	WB,IF
Folnetti A Alvarez	36114323	Breast Cancer Res Treat	WB
Feng Gao	36341808	Neuropharmacology	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

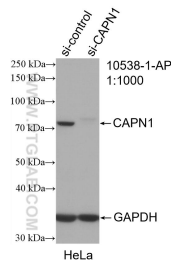
For technical support and original validation data for this product please contact:

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

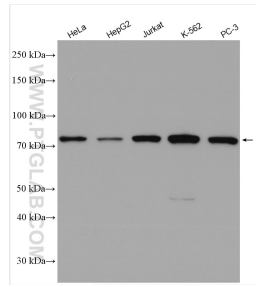
E: proteintech@ptglab.com  
W: ptglab.com

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

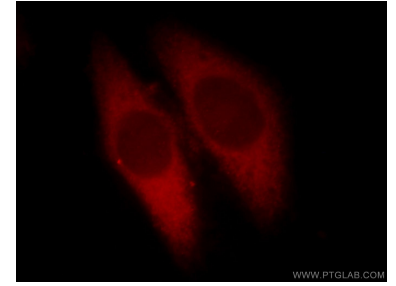
## Ausgewählte Validierungsdaten



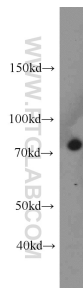
WB result of Calpain 1 antibody (10538-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Calpain 1 transfected HeLa cells.



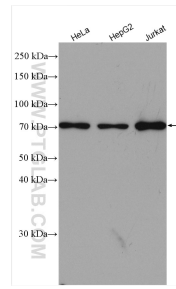
Various lysates were subjected to SDS PAGE followed by western blot with 10538-1-AP (Calpain 1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



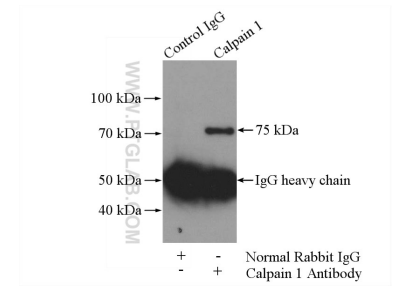
Immunofluorescent analysis of HeLa cells, using CAPN1 antibody 10538-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



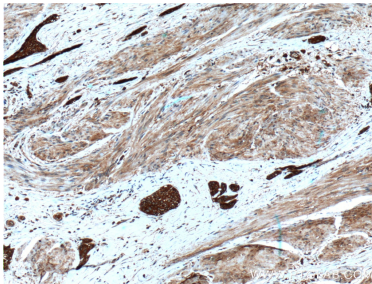
A431 cells were subjected to SDS PAGE followed by western blot with 10538-1-AP (Calpain 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



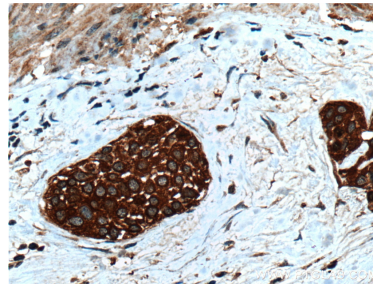
HeLa cells were subjected to SDS PAGE followed by western blot with 10538-1-AP (Calpain 1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



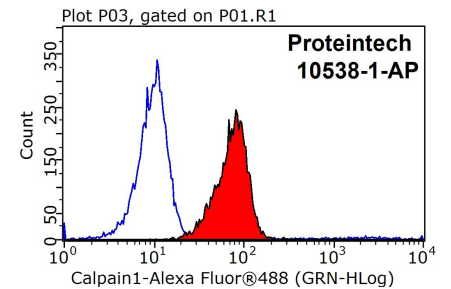
IP Result of anti-Calpain 1 (IP:10538-1-AP, 4ug; Detection:10538-1-AP 1:1000) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10538-1-AP (Calpain 1 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 human urothelial carcinoma tissue slide using 10538-1-AP (Calpain 1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug Calpain 1 antibody (10538-1-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.