

Nur für Forschungszwecke

# HSPA2 Polyklonaler Antikörper

Katalog-Nr.:12797-1-AP

Vorgestelltes Produkt

11 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
12797-1-AP

Größe:

150ul, Konzentration: 300 µg/ml von Nanodrop und 140 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:  
AG3539

GenBank-Zugangsnummer:  
BC036107

GeneID (NCBI):

3306

Vollständiger Name:

heat shock 70kDa protein 2

Berechnete Masse:

639 aa, 70 kDa

Beobachtete Masse:

70 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:16000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:20-1:200

## Anwendungen

Geprüfte Anwendungen:

FC, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB : A431-Zellen, C6-Zellen, HeLa-Zellen, humanes Hirngewebe, humanes Nierengewebe, humanes Skelettmuskelgewebe, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen

IP : Maus-Skelettmuskelgewebe,

IHC : humanes Hodengewebe, humanes

Ovarialkarzinomgewebe, humanes

Prostatahyperplasie-Gewebe, Maus-Eierstockgewebe

## Hintergrundinformationen

Human HSPA2 is a member of the HSPA (HSP70) family of heat-shock proteins, encoded by the gene originally described as testis-specific. Recently, it has been reported that HSPA2 can be also expressed in human somatic tissues in a cell-type specific manner. HSPA2 is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. HSPA2 is involved in sperm maturity, function and fertility. Aberrant expression of HSPA2 in testes has been connected with male infertility. Recently, HSPA2 has attracted increased interest due to its possible involvement in carcinogenesis of non-testicular tissues. This antibody well recognized the endogenous HSPA2 protein in testis and multiple cell lines. (21373891)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jianjun Hu	29161344	Biol Reprod	IF
Liuze Gao	33177084	Sci Adv	IF
Long Jiang	28502657	Curr Biol	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

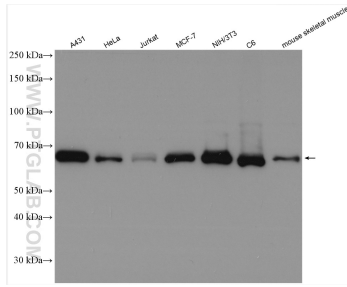
For technical support and original validation data for this product please contact:

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

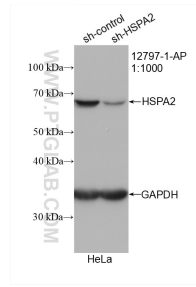
E: proteintech@ptglab.com  
W: ptglab.com

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

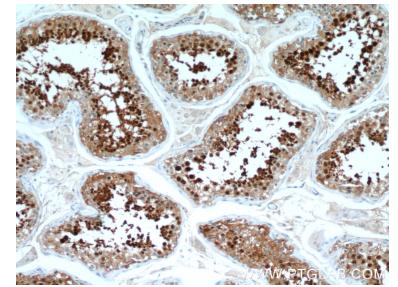
## Ausgewählte Validierungsdaten



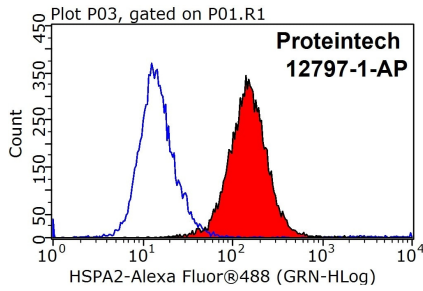
Various lysates were subjected to SDS PAGE followed by western blot with 12797-1-AP (HSPA2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



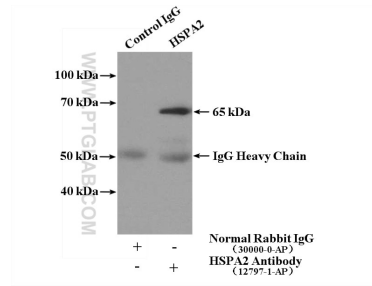
WB result of HSPA2 antibody (12797-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSPA2 transfected HeLa cells.



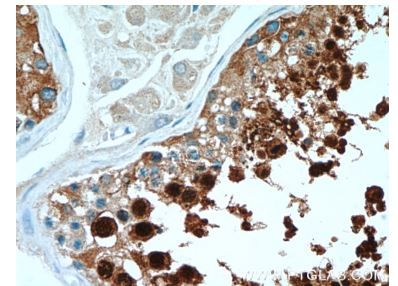
Immunohistochemical analysis of paraffin-embedded human testis using 12797-1-AP (HSPA2 antibody) at dilution of 1:50 (under 10x lens).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug HSPA2 antibody (12797-1-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.



IP Result of anti-HSPA2 (IP:12797-1-AP, 4ug; Detection:12797-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human testis using 12797-1-AP (HSPA2 antibody) at dilution of 1:50 (under 40x lens).