

Nur für Forschungszwecke

HSP70 Polyklonaler Antikörper

Katalog-Nr.:10995-1-AP

Vorgestelltes Produkt

169 Publikationen



Allgemeine Informationen

Katalog-Nr.: 10995-1-AP	GenBank-Zugangsnummer: BC009322	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 3303	Empfohlene Verdünnungen: WB 1:5000-1:50000
Wirt: Kaninchen	Vollständiger Name: heat shock 70kDa protein 1A	IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Isotyp: IgG	Berechnete Masse: 70 kDa	IHC 1:50-1:500
Immunogen Katalognummer: AG1446	Beobachtete Masse: 66-70 kDa	IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

Cell treatment, CoIP, ELISA, FC, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Auster, Hausschwein, Human, Maus, Ratte, Rind, C. Elegans

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

Positivkontrollen:

WB : A431-Zellen, A549-Zellen, HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen

IP : Maushirngewebe,

IHC : humanes Mammakarzinomgewebe, humanes Leberkarzinomgewebe, Maushautgewebe

IF : HeLa-Zellen, HepG2-Zellen

Hintergrundinformationen

HSPA1A , collectively known as HSP70 (also referred to HSP72), is a stress-inducible member of heat-shock protein 70 (HSP70) proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. Encoded by two closely linked, intronless and stress-inducible genes, HSPA1A and HSPA1B differ by only two amino acids and are believed to be fully interchangeable proteins. HSPA1A is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Generally, HSPA1A is thought to be expressed in unstressed normal cells at low or undetectable levels. Expression of HSPA1A protein can be highly activated by various stressful stimuli. Significant up-regulation of HSPA1A has been found in various tumors. Recently it has been reported that HSPA1A can be constitutively expressed in selected cell types. HSP70 is a useful marker for exosome. This antibody well recognized the endogenous HSP70 protein in multiple cell lines. (21373891)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lihua Luo	34593005	J Nanobiotechnology	WB
Yi Ma	33000559	Andrology	WB
Zundong Liu	34556812	Oncogene	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.

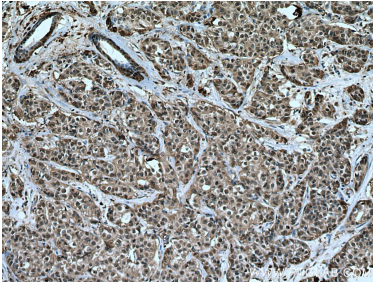
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

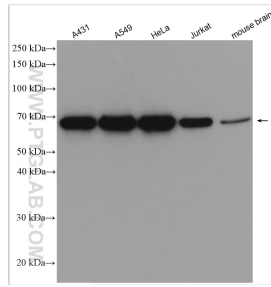
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

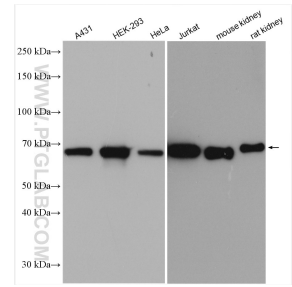
Ausgewählte Validierungsdaten



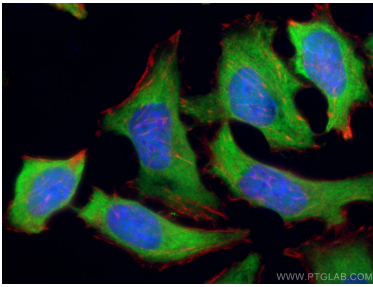
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10995-1-AP (HSP70 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



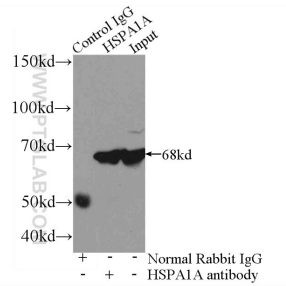
Various lysates were subjected to SDS PAGE followed by western blot with 10995-1-AP (HSP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



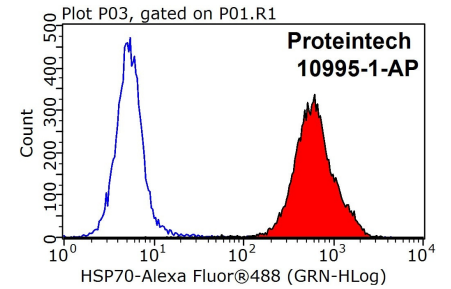
Various lysates were subjected to SDS PAGE followed by western blot with 10995-1-AP (HSP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 10995-1-AP (HSP70 antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin was stained with CL594-phalloidin.



IP Result of anti-HSP70 (IP:10995-1-AP, 3ug; Detection:10995-1-AP 1:1000) with mouse brain tissue lysate 3600ug.



1X10⁶ HepG2 cells were stained with 0.2ug HSP70 antibody (10995-1-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.