

Allgemeine Informationen

Katalog-Nr.: 14887-1-AP	GenBank-Zugangsnummer: BC000478	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 400 µg/ml von Nanodrop;	GeneID (NCBI): 3313	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:1000-1:4000 für WB
Wirt: Kaninchen	Vollständiger Name: heat shock 70kDa protein 9 (mortalin)	IHC 1:1000-1:4000 IF 1:200-1:800
Isotyp: IgG	Berechnete Masse: 74 kDa	
Immunogen Katalognummer: AG6673	Beobachtete Masse: 74-75 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB: HT-29-Zellen, A549-Zellen, Jurkat-Zellen, Maushodengewebe, NIH/3T3-Zellen

IP: Maushirngewebe, NIH/3T3-Zellen

IHC: humanes Mammakarzinomgewebe,

IF: HepG2-Zellen,

Hintergrundinformationen

GRP75 (also known as mortalin, HSPA9 or mt-Hsp70) is a constitutively expressed member of the HSPA (HSP70) family of heat-shock proteins. It is located in the mitochondrial matrix and anti-GRP75 is commonly used as the marker for mitochondria. It has been reported that GRP75 is enriched in cancer cells and contributes to carcinogenesis. In addition, decreased expression level of GRP75 has been found in neurodegenerative disorders like Parkinson's disease. This antibody recognized the endogenous GRP75 protein in NIH/3T3 cells. (PMID: 21640711, 22920904)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Olga Zurita Rendón	30061372	Mol Cell Biol	
Chih-Hao Wang	36158195	Front Cell Dev Biol	WB,IP
Jing Feng	29375708	Oncol Lett	WB,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

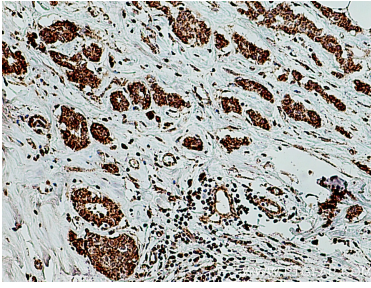
For technical support and original validation data for this product please contact:

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

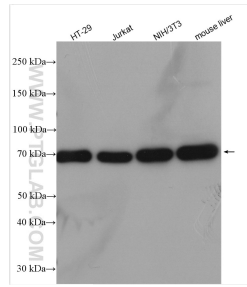
E: proteintech@ptglab.com
W: ptglab.com

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

Ausgewählte Validierungsdaten



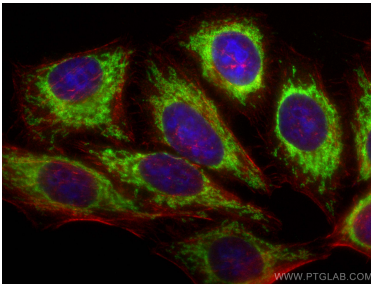
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14887-1-AP (GRP75 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



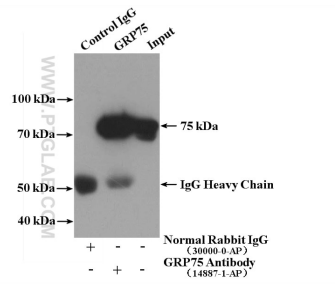
Various lysates were subjected to SDS PAGE followed by western blot with 14887-1-AP (GRP75 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



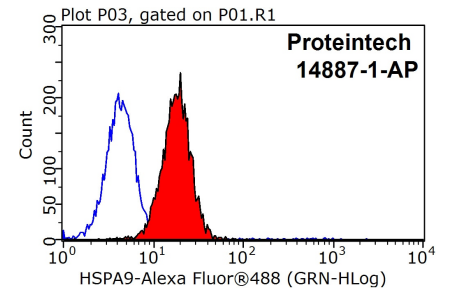
A549 cells (shcontrol and shRNA of GRP75) were subjected to SDS PAGE followed by western blot with 14887-1-AP (GRP75 antibody) at dilution of 1:500.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GRP75 antibody (14887-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-GRP75 (IP:14887-1-AP, 4ug; Detection:14887-1-AP 1:2000) with mouse brain tissue lysate 3680ug.



1X10⁶ HepG2 cells were stained with 0.2ug GRP75 antibody (14887-1-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 1:1500.