

Nur für Forschungszwecke

# HSP27 Monoklonaler Antikörper

Katalog-Nr.: 66767-1-Ig **1 Publikationen**



## Allgemeine Informationen

|  |  |   |
|--|--|---|
| <b>Katalog-Nr.:</b><br>66767-1-Ig  | <b>GenBank-Zugangsnummer:</b><br>BC012768                | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung                            |
| <b>Größe:</b><br>150ul, Konzentration: 1000 µg/ml durch die Bradford-Methode mit BSA als Standard; | <b>GeneID (NCBI):</b><br>3315                            | <b>CloneNo.:</b><br>3E7A1   |
| <b>Wirt:</b><br>Maus   | <b>Vollständiger Name:</b><br>heat shock 27kDa protein 1 | <b>Empfohlene Verdünnungen:</b><br>WB 1:20000-1:100000<br>IHC 1:1000-1:4000 |
| <b>Isotyp:</b><br>IgG1   | <b>Berechnete Masse:</b><br>19-23 kDa                    |   |
| <b>Immunogen Katalognummer:</b><br>AG27859   | <b>Beobachtete Masse:</b><br>27 kDa                      |   |

## Anwendungen

|   |  |
|---|--|
| <b>Geprüfte Anwendungen:</b><br>FC, IHC, WB, ELISA  | <b>Positivkontrollen:</b><br>WB : HCT 116-Zellen, A549-Zellen, HeLa-Zellen, HepG2-Zellen, HuH-7-Zellen, Mauslebergewebe, U2OS-Zellen |
| <b>In Publikationen genannte Anwendungen:</b><br>IF   | <b>IHC :</b> humanes Gliomgewebe,  |
| <b>Getestete Reaktivität:</b><br>Human  |  |
| <b>Zitierte Arten:</b><br>Human   |  |
| <b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b> |  |

## Hintergrundinformationen

HSPB1, also known as heat shock protein 27 (Hsp27), belongs to the small heat shock protein family which is induced in response to environmental challenges or/and developmental transitions. It is also an anti-apoptotic protein that plays crucial roles in tumorigenesis and cell survival and is reported to be an independent prognosis marker for cancer. Recently HSPB1 has been found to be a valuable marker for melanoma. In addition to the predicted 27 kDa, an extra 50-55 kDa representing dimeric form of HSPB1 may also be observed (21353161).

## Bemerkenswerte Veröffentlichungen

| Verfasser  | Pubmed ID | Journal   | Anwendung |
|------------|-----------|-----------|-----------|
| Xiao Zhang | 32945483  | Oncol Rep | IF        |

## Lagerung

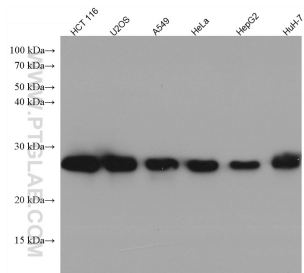
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

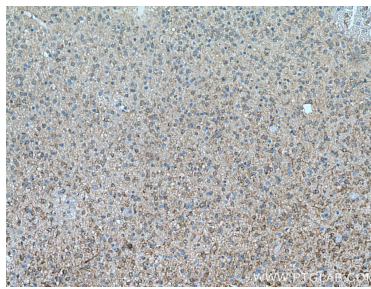
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

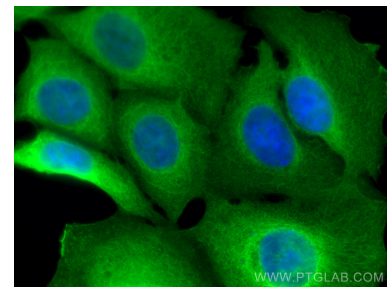
## Ausgewählte Validierungsdaten



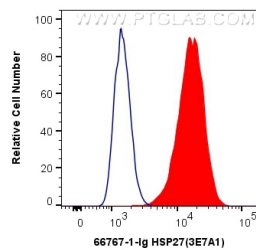
Various lysates were subjected to SDS PAGE followed by western blot with 66767-1-Ig (HSPB1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66767-1-Ig (HSPB1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using HSP27 antibody (66767-1-Ig, Clone: 3E7A1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.5 ug Anti-Human HSP27 (66767-1-Ig, Clone:3E7A1) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).