

Allgemeine Informationen

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|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Katalog-Nr.: 66574-1-Ig | GenBank-Zugangsnummer: BC020235 | Reinigungsmethode: Protein-G-Reinigung |
| Größe: 150ul, Konzentration: 1000 µg/ml von3309 Nanodrop; | GeneID (NCBI): 1509 | CloneNo.: 1D6F7 |
| Wirt: Maus | Vollständiger Name: heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) | Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:1000-1:6000 für WB |
| Isotyp: IgG1 | Berechnete Masse: 78 kDa | IHC 1:500-1:2000 IF 1:50-1:500 |
| Immunogen Katalognummer: AG2188 | Beobachtete Masse: 70-78 kDa | |

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte, Zebrafisch

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

Positivkontrollen:

WB: HepG2-Zellen, 4T1-Zellen, A549-Zellen, HeLa-Zellen, HSC-T6-Zellen, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, PC-12-Zellen

IP: SGC-7901-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Mammakarzinomgewebe

IF: HeLa-Zellen,

Hintergrundinformationen

GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). It is a constitutively expressed resident protein of the ER in all eukaryotic cells. Recently it has been reported that GRP78 is associated with apoptosis or inhibition of cancer cell growth.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|-------------|-----------|-----------------|-----------|
| Xiuwen Yang | 36246276 | Front Microbiol | WB |
| Yu Chen | 34592660 | Cell Calcium | WB |
| Li Ma | 36056472 | Int Wound J | 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**

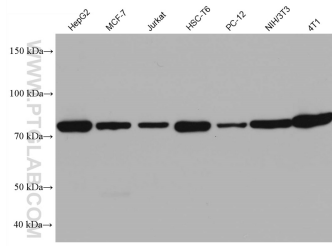
For technical support and original validation data for this product please contact:

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

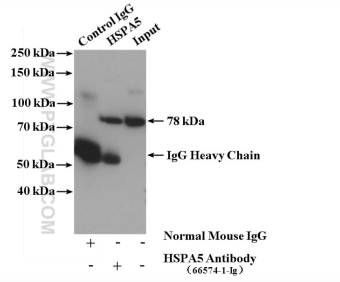
E: proteintech@ptglab.com
W: ptglab.com

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

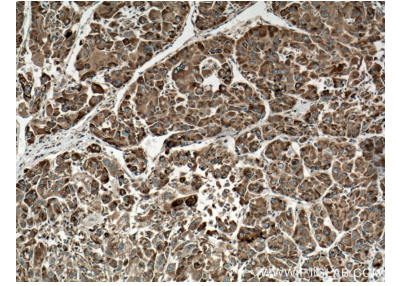
Ausgewählte Validierungsdaten



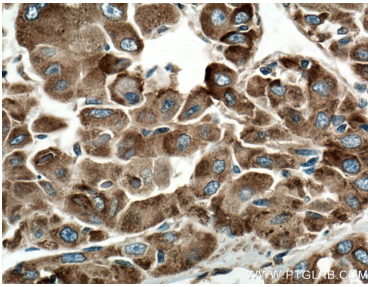
Various lysates were subjected to SDS PAGE followed by western blot with 66574-1-Ig (GRP78/BIP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



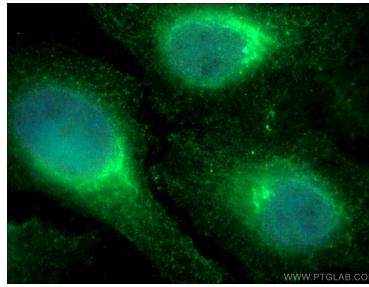
IP result of anti-GRP78/BIP (IP:66574-1-Ig, 5ug; Detection:66574-1-Ig 1:3000) with SGC-7901 cells lysate 2200 ug.



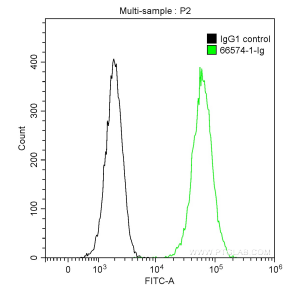
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66574-1-Ig (GRP78,BIP antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66574-1-Ig (GRP78,BIP antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66574-1-Ig (GRP78/BIP antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ MCF-7 cells were stained with 0.2 ug Anti-Human GRP78/BIP (66574-1-Ig, Clone:1D6F7) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.