

Product datasheet

Anti-GRP78 BiP antibody [EPR4040(2)] ab108613

重组 RabMAb

11 References 5 图像

概述

产品名称	Anti-GRP78 BiP抗体[EPR4040(2)]
描述	兔单克隆抗体[EPR4040(2)] to GRP78 BiP
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to residues in Human GRP78 BiP.
阳性对照	HeLa, LnCaP, ECV-304, C6, NIH/3T3, PC-12, and RAW264.7 and HepG2 cell lysates. Human brain and testis tissue.
常规说明	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4040(2)
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab108613** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

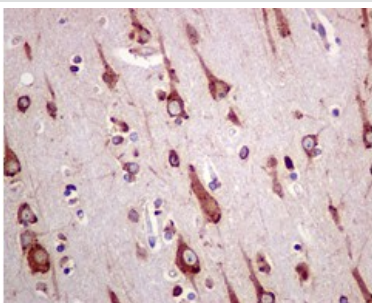
应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 78 kDa (predicted molecular weight: 72 kDa).Can be blocked with GRP78 BiP peptide (ab176143) .
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)

应用说明 Is unsuitable for Flow Cyt,ICC or IP.

靶标

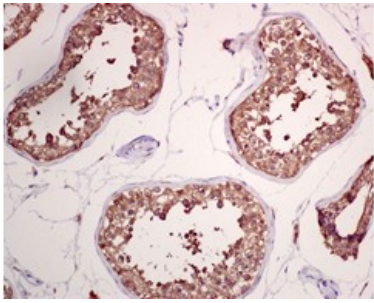
功能	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the endoplasmic reticulum. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10, probably to facilitate the release of DNAJC10 from its substrate.
疾病相关	Autoantigen in rheumatoid arthritis.
序列相似性	Belongs to the heat shock protein 70 family.
细胞定位	Endoplasmic reticulum lumen. Melanosome. Cytoplasm. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



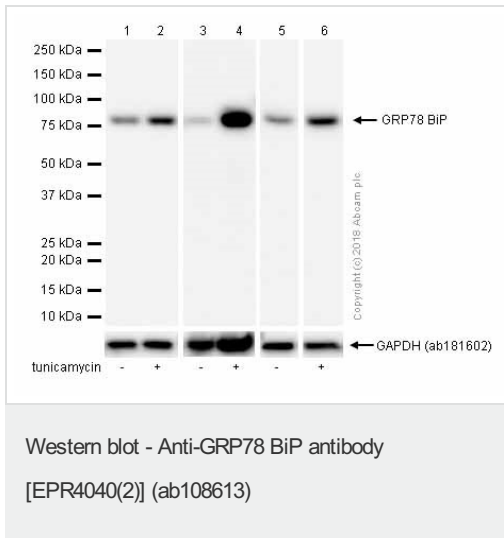
Immunohistochemical analysis of paraffin-embedded Human brain tissue using ab108613 at 1/250

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP78 BiP antibody [EPR4040(2)] (ab108613)



Immunohistochemical analysis of paraffin-embedded Human testis tissue using ab108613 at 1/250

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP78 BiP antibody [EPR4040(2)] (ab108613)



All lanes : Anti-GRP78 BiP antibody
[EPR4040(2)] (ab108613) at 1/5000 dilution
(purified)

Lane 1 : HeLa (Human cervix
adenocarcinoma epithelial cell) whole cell
lysates

Lane 2 : HeLa (Human cervix
adenocarcinoma epithelial cell) treated with
10ug/ml
tunicamycin for 12 hours whole cell lysates

Lane 3 : MCF-7 (Human breast
adenocarcinoma epithelial cell) whole cell
lysates

Lane 4 : MCF-7 (Human breast
adenocarcinoma epithelial cell) treated with
10ug/ml
tunicamycin for 48 hours whole cell lysates

Lane 5 : MEF (Mouse embryonic fibroblast)
whole cell lysates

Lane 6 : MEF (Mouse embryonic fibroblast)
treated with 10ug/ml tunicamycin for 48 hours
whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP)
(ab97051) at 1/20000 dilution

Predicted band size: 72 kDa

Blocking and diluting buffer: 5% NFD/MTBST.

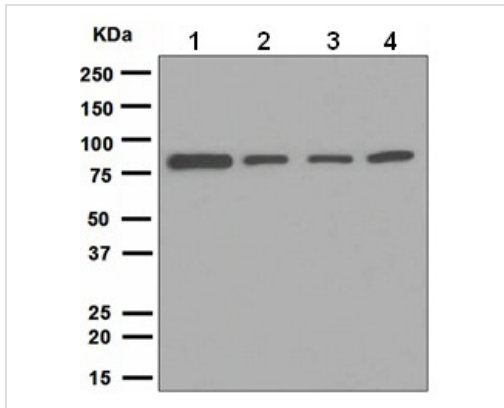
Tunicamycin induces the expression of
GRP78 BiP reported by PMID 22859938

Exposure time:

Lanes 1 and 2: 3 seconds

Lanes 3 and 4: 30 seconds

Lanes 5 and 6: 5 seconds



Western blot - Anti-GRP78 BiP antibody
[EPR4040(2)] (ab108613)

All lanes : Anti-GRP78 BiP antibody
[EPR4040(2)] (ab108613) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : LnCaP cell lysate

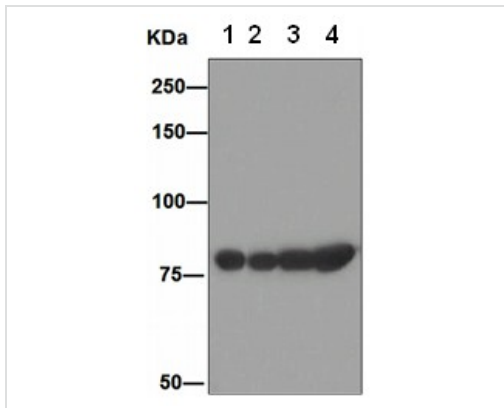
Lane 3 : ECV-304 cell lysate

Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 72 kDa

Observed band size: 78 kDa



Western blot - Anti-GRP78 BiP antibody
[EPR4040(2)] (ab108613)

All lanes : Anti-GRP78 BiP antibody
[EPR4040(2)] (ab108613) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : NIH/3T3 cell lysate

Lane 3 : PC-12 cell lysate

Lane 4 : RAW264.7 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 72 kDa

Observed band size: 78 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors