

## Product datasheet

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

**重组** RabMAb

8 References 4 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
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	This product is a recombinant rabbit monoclonal antibody. Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>

### 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	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
纯度	Tissue culture supernatant
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 <a href="#">GRP78 BiP peptide (ab176143)</a> .
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

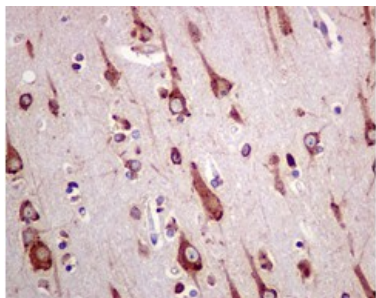
**功能** Probably plays a role in facilitating the assembly of multimeric protein complexes inside the endoplasmic reticulum. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10, probably to facilitate the release of DNAJC10 from its substrate.

**疾病相关** Autoantigen in rheumatoid arthritis.

**序列相似性** Belongs to the heat shock protein 70 family.

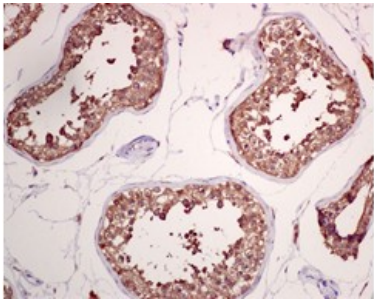
**细胞定位** Endoplasmic reticulum lumen. Melanosome. Cytoplasm. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## 图片



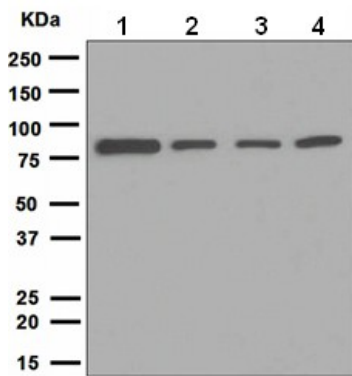
Immunohistochemical analysis of paraffin-embedded Human brain tissue using ab108613 at 1/250

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



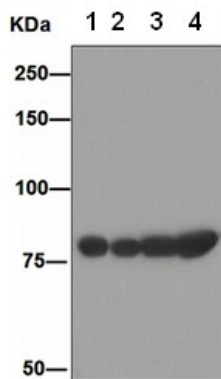
**All lanes :** Anti-GRP78 BiP antibody [EPR4040(2)] (ab108613) at 1/1000 dilution

- 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.

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

**Predicted band size :** 72 kDa  
**Observed band size :** 78 kDa



**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.

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

**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"

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