

## Product datasheet

# Anti-GRP78 BiP antibody ab109659

[1 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-GRP78 BiP antibody
<b>Description</b>	Rabbit polyclonal to GRP78 BiP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Dog, Human
<b>Immunogen</b>	Recombinant full length Human GRP78 BiP (His tagged at the N terminus).
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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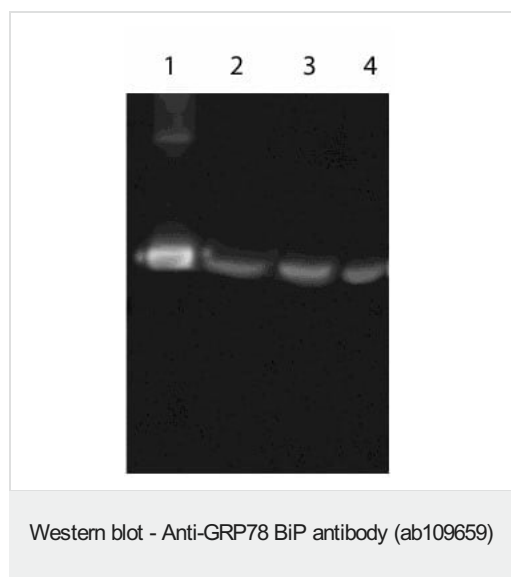
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab109659 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/2000. Detects a band of approximately 78 kDa (predicted molecular weight: 72 kDa).

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	Autoantigen in rheumatoid arthritis.
<b>Sequence similarities</b>	Belongs to the heat shock protein 70 family.
<b>Cellular localization</b>	Endoplasmic reticulum lumen. Melanosome. Cytoplasm. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## Images



**All lanes :** Anti-GRP78 BiP antibody (ab109659) at 1 µg/ml

**Lane 1 :** Recombinant Human GRP78 BiP at 0.1 µg

**Lane 2 :** SKBR3 lysate (Human) at 7.5 µg

**Lane 3 :** MDCK lysate (Dog) at 7.5 µg

**Lane 4 :** MEF lysate (Mouse) at 7.5 µg

**Predicted band size:** 72 kDa

**Observed band size:** 78 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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