

## Product datasheet

# Anti-groES antibody ab69823

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

### Overview

<b>Product name</b>	Anti-groES antibody
<b>Description</b>	Rabbit polyclonal to groES
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Escherichia coli
<b>Immunogen</b>	Full length GroES purified chromatographically from an E. coli strain overexpressing the protein.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab69823** 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		1/5000. Detects a band of approximately 10 kDa (predicted molecular weight: 10 kDa). for colorimetric detection. 1/500 for ECL.
IP		1/200.

### Target

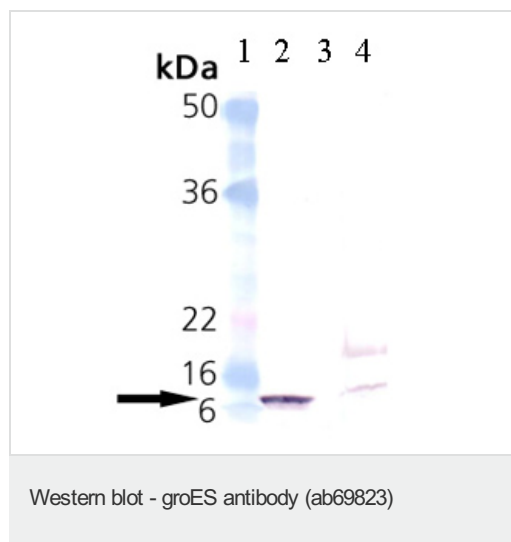
## Relevance

GroEL and GroES are E.coli chaperones, which are homologs of the mitochondrial chaperones Hsp60 and Hsp10 respectively. GroEL is a double toroidal assembly of 14 identical subunits which form two heptameric rings stacked back-to-back, with a cavity at each end. GroEL and its co-chaperonin GroES facilitate protein folding in an ATP-dependent mechanism. Binding of substrate protein, in addition to binding of ATP, induces a conformational change that allows association of this binary complex with a separate lid structure, GroES.

## Cellular localization

Cytoplasmic

## Images



**All lanes :** Anti-groES antibody (ab69823) at 1/5000 dilution

**Lane 1 :** Molecular weight marker

**Lane 2 :** groES recombinant E. coli protein

**Lane 3 :** No lysates (empty)

**Lane 4 :** Lysates prepared from E.coli

**Predicted band size :** 10 kDa

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

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