

## Product datasheet

# Anti-Glutathione Reductase antibody [AP-MAB0866] ab106843

### Overview

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<b>Product name</b>	Anti-Glutathione Reductase antibody [AP-MAB0866]
<b>Description</b>	Rat monoclonal [AP-MAB0866] to Glutathione Reductase
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> Depletion, IHC-Fr, IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Mouse spontaneous T lymphoma line TK1
<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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	The IgG fraction of culture supernatant was purified by Protein A affinity chromatography and 0.2 µm filtered. Extremely low level of LPS (< 0.002EU/µg IgG)
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	AP-MAB0866
<b>Isotype</b>	IgG2

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab106843 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
Depletion		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

## Target

<b>Function</b>	Maintains high levels of reduced glutathione in the cytosol.
<b>Sequence similarities</b>	Belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family.
<b>Domain</b>	Each subunit can be divided into 4 domains that are consecutive along the polypeptide chain. Domains 1 and 2 bind FAD and NADPH, respectively. Domain 4 forms the interface.
<b>Cellular localization</b>	Cytoplasm and Mitochondrion.

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

## 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 <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

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