

## Product datasheet

# Anti-TGG1 / Myrosinase 1 antibody ab243202

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

### Overview

---

<b>Product name</b>	Anti-TGG1 / Myrosinase 1 antibody
<b>Description</b>	Rabbit polyclonal to TGG1 / Myrosinase 1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Arabidopsis thaliana
<b>Immunogen</b>	Synthetic peptide corresponding to Arabidopsis thaliana TGG1/ Myrosinase 1 aa 350-450 conjugated to bovine serum albumin. Database link: <a href="#">P37702</a>

 [Run BLAST with](#)

 [Run BLAST with](#)

**Positive control** WB: Arabidopsis leaf extract.

### General notes

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.

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&As

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 6 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Filter-sterilized.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab243202 in the following tested applications.

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

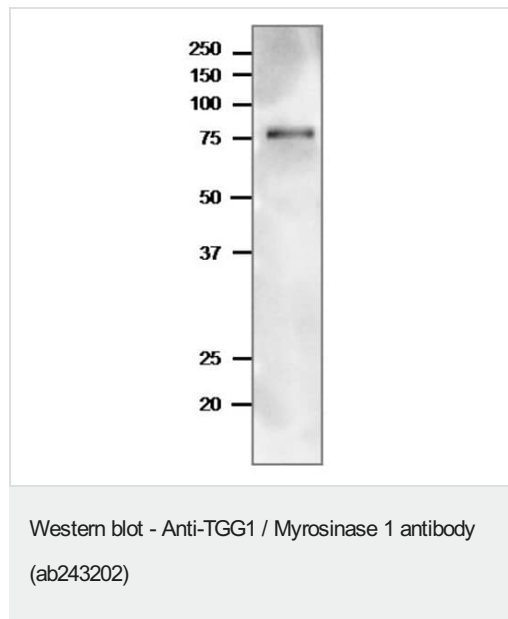
Application	Abreviews	Notes
WB		1/1000 - 1/3000. Predicted molecular weight: 61 kDa.

## Target

### Relevance

In Brassicaceae, the enzyme myrosinase (beta-thioglucoside glucohydrolase, TGG) degrades glucosinolates to produce toxins like thiocyanates, isothiocyanates, nitriles, epithionitriles or oxazolidine-2-thiones that deter herbivory. There are two TGG enzymes, TGG1 and TGG2, which have a redundant function.

## Images



Anti-TGG1 / Myrosinase 1 antibody (ab243202) at 1/1000 dilution + Arabidopsis leaf extract at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

**Predicted band size:** 61 kDa

The protein undergoes modifications such as elimination of the signal peptide and glycosylation at nine positions, which changes molecular mass in the mature form.

**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