

Product datasheet

Anti-TGG1 / Myrosinase 1 antibody ab243202

7 References 1 Image

Overview

Product name	Anti-TGG1 / Myrosinase 1 antibody
Description	Rabbit polyclonal to TGG1 / Myrosinase 1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Arabidopsis thaliana
Immunogen	Synthetic peptide corresponding to Arabidopsis thaliana TGG1/ Myrosinase 1 aa 353-366 conjugated to bovine serum albumin. Sequence: AQNNQTIVPSDVHT

Database link: [P37702](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Arabidopsis leaf extract.

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 6 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Purification notes	Filter-sterilized.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab243202** in the following tested applications.

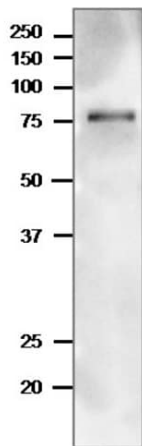
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.
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Images



Western blot - Anti-TGG1 / Myosinase 1 antibody
(ab243202)

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

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"

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- 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

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