


Product datasheet

Anti-PTPRG antibody ab12555

1 Image

Overview

<b>Product name</b>	Anti-PTPRG antibody
<b>Description</b>	Rabbit polyclonal to PTPRG
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Human 
<b>Immunogen</b>	Synthetic peptide corresponding to Human PTPRG aa 1000-1100 (internal sequence) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab12588</a> )
<b>Positive control</b>	This antibody gave a positive signal with PTPRG recombinant domain
<b>General notes</b>	This product was previously labelled as PTP gamma

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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our

scientific support team who will be happy to help.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

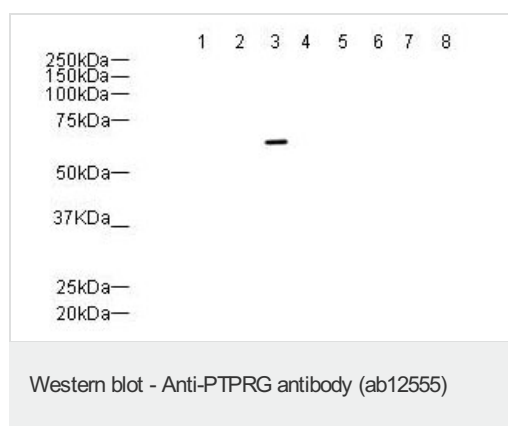
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab12555 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 50-70 kDa (predicted molecular weight: 50-70 kDa).

## Target

<b>Function</b>	Possesses tyrosine phosphatase activity.
<b>Tissue specificity</b>	Found in a variety of tissues.
<b>Sequence similarities</b>	Belongs to the protein-tyrosine phosphatase family. Receptor class 5 subfamily. Contains 1 alpha-carbonic anhydrase domain. Contains 1 fibronectin type-III domain. Contains 2 tyrosine-protein phosphatase domains.
<b>Cellular localization</b>	Membrane.

## Images



**All lanes :** Anti-PTPRG antibody (ab12555) at 1 µg/ml

**Lane 1 :** 0.1µg GLEPP1 (PTP RO)

**Lane 2 :** 0.1µg SAP1 (PTP RH)

**Lane 3 :** 0.1µg PTPRG

**Lane 4 :** 0.1µg PTP beta (PTP B)

**Lane 5 :** 0.1µg DEP1 (PTP RJ)

**Lane 6 :** 0.1µg PTP kappa (PTP RK)

**Lane 7 :** 0.1µg PCPTP1 (PTP RR)

**Lane 8 :** 0.1µg LAR (PTP RF)

Performed under reducing conditions.

**Predicted band size:** 50-70 kDa

**Observed band size:** 50-70 kDa

Recombinant PTP phosphatase domains (0.1µg) were probed with ab12555 at 1/1000. The antibody recognises the recombinant PTPRG fusion protein at 50-70kDa.

**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**

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- 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**

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