

## Product datasheet

# Anti-TPGS1 antibody [EPR14324] ab184178

Recombinant RabMAb

[1 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-TPGS1 antibody [EPR14324]
<b>Description</b>	Rabbit monoclonal [EPR14324] to TPGS1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Rat testis, Mouse testis or SH-SY5Y cell lysates, SH-SY5Y cells
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### 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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14324
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184178 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
Flow Cyt (Intra)		1/50. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 31 kDa (predicted molecular weight: 31 kDa).
IP		1/20.

## Target

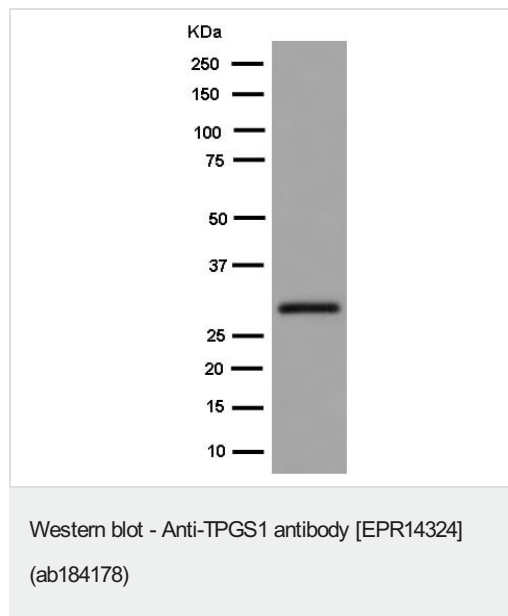
### Relevance

TPGS1 may act in the targeting of the tubulin polyglutamylase complex. It is required for the development of the spermatid flagellum.

### Cellular localization

Microtubule.

## Images

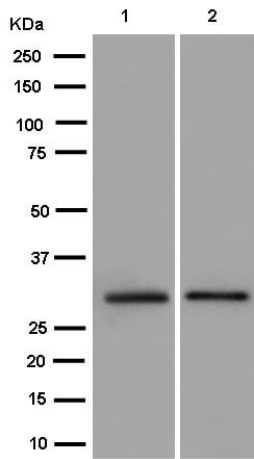


Anti-TPGS1 antibody [EPR14324] (ab184178) at 1/10000 dilution  
+ Mouse testis tissue lysate at 20 µg

### Secondary

Peroxidase conjugated Goat anti-Rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 31 kDa



Western blot - Anti-TPGS1 antibody [EPR14324] (ab184178)

**All lanes :** Anti-TPGS1 antibody [EPR14324] (ab184178) at 1/2000 dilution

**Lane 1 :** Rat testis tissue lysate

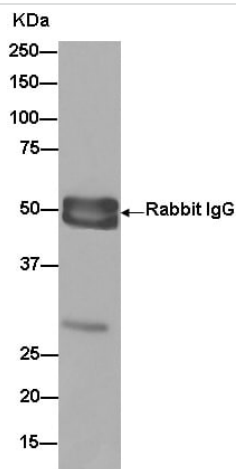
**Lane 2 :** SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

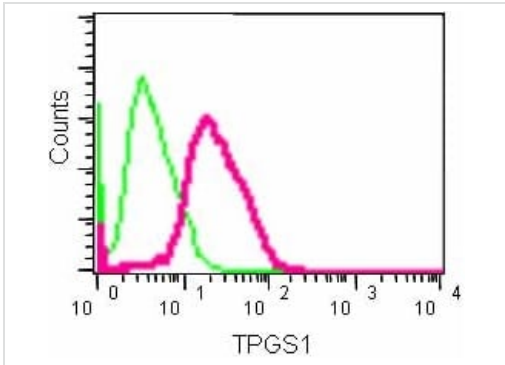
**All lanes :** Peroxidase conjugated Goat anti-Rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 31 kDa



Immunoprecipitation - Anti-TPGS1 antibody [EPR14324] (ab184178)





Immunoprecipitation analysis of SH-SY5Y cells labeling TPGS1 using ab184178 at 1/50 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 was used as secondary antibody.



Flow Cytometry (Intracellular) - Anti-TPGS1 antibody  
[EPR14324] (ab184178)

Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed SH-SY5Y cells staining TPGS1 using ab184178 at 1/50 and FITC conjugated Goat anti rabbit IgG at 1/150 as a secondary antibody (red curve), and a Rabbit monoclonal IgG negative control (green curve).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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

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