




## Product datasheet

### Anti-GGA2 antibody ab10552

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

#### Overview

<b>Product name</b>	Anti-GGA2 antibody
<b>Description</b>	Rabbit polyclonal to GGA2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody recognises two bands by Western at 75 and 37kD. This corresponds to results seen in Hela extracts in Dell'Angelica et al. 2000. The lower 37kD band is expected to correspond to the isoform described in NP_619581.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide: LSMYRRPGQAPPDQEAL conjugated to KLH, corresponding to amino acids 249-265 of Human GGA2.  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<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

<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>	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab10552 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		1/500. Detects a band of approximately 75, 37 kDa (predicted molecular weight: 67 kDa).

## Target

### Function

Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (AC-LL) motif.

### Tissue specificity

Ubiquitously expressed.

### Sequence similarities

Belongs to the GGA protein family.

Contains 1 GAE domain.

Contains 1 GAT domain.

Contains 1 VHS domain.

### Domain

The VHS domain functions as a recognition module for sorting signals composed of an acidic cluster followed by two leucines (AC-LL motif).

The GAT domain is responsible for interaction with ARF-GTP, UBC and RABEP1. Required for recruitment to the TGN it prevents ARF-GTP hydrolysis.

The unstructured hinge region contains clathrin-binding but no autoinhibitory (AC-LL) motifs.

The GAE domain binds accessory proteins regulating GGAs function.

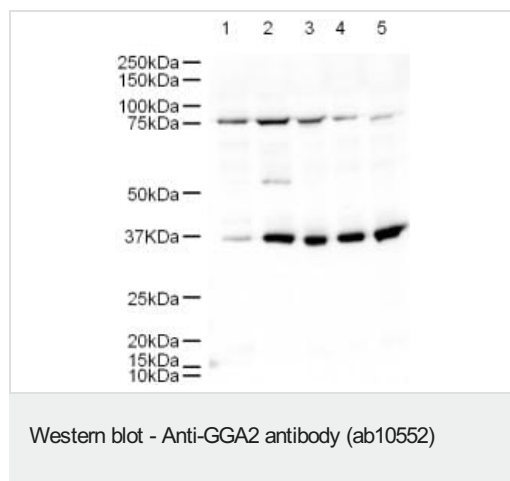
### Post-translational modifications

Ubiquitinated.

### Cellular localization

Golgi apparatus > trans-Golgi network membrane. Endosome membrane.

## Images



Western blot using ab10552 at 1/500. Lysates at 5µg per lane.

Secondary antibody **anti-rabbit HRP ab6721** at 1/5000.

Lane 1: Hela nuclear

Lane 2: Hela

Lane 3: A431

Lane 4: Jurkat

Lane 5: 293

Western blot using ab10552 at 1/500. Lysates at 5µg per lane.

Secondary **ab6721** at 1/5000. Lane 1: Hela nuclear Lane 2: Hela

Lane 3: A431 Lane 4: Jurkat Lane 5: 293

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

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