## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-GABA A Receptor beta 2/GABRB2 antibody [EPR10517]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR10517] to GABA A Receptor beta 2/GABRB2</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
</tbody>
</table>
| Tested applications | Suitable for: WB  
**Unsuitable for:** Flow Cyt, ICC, IHC-P or IP |
| Species reactivity | Reacts with: Human  
**Predicted to work with:** Mouse, Rat |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | HepG2, A549, fetal brain and Human cerebellum lysates. |
| General notes | This product is a recombinant monoclonal antibody, which offers several advantages including:  
- High batch-to-batch consistency and reproducibility  
- Improved sensitivity and specificity  
- Long-term security of supply  
- Animal-free production  
For more information see here.  
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.  
**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.** |

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at -20°C.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>pH: 7.2</td>
</tr>
</tbody>
</table>
Preservative: 0.01% Sodium azide  
Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

Purity  
Protein A purified

Clonality  
Monoclonal

Clone number  
EPR10517

Isotype  
IgG

Applications

The Abpromise guarantee  
Our Abpromise guarantee covers the use of ab156000 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/10000 - 1/50000. Predicted molecular weight: 59 kDa.</td>
</tr>
</tbody>
</table>

Application notes  
Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

Target

Function  
GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.

Tissue specificity  
Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.

Sequence similarities  
Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB2 sub-subfamily.

Cellular localization  

Images
Western blot - Anti-GABA A Receptor beta 2/GABRB2 antibody [EPR10517] (ab156000)

All lanes: Anti-GABA A Receptor beta 2/GABRB2 antibody [EPR10517] (ab156000) at 1/10000 dilution

Lane 1: HepG2 cell lysate
Lane 2: A549 cell lysate
Lane 3: Fetal brain lysate
Lane 4: Human cerebellum lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 59 kDa

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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- 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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