Datasheet: AHP2508

### Product Details

#### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1/500 - 1/2000</td>
</tr>
</tbody>
</table>

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

#### Target Species
Human

#### Species Cross Reactivity
Based on sequence similarity, is expected to react with: Rat

N.B. Antibody reactivity and working conditions may vary between species.

#### Product Form
Purified IgG - liquid

#### Antiserum Preparation
Antiserum to PI-3 kinase p85 subunit alpha was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

#### Buffer Solution
Phosphate buffered saline

#### Preservative
0.02% Sodium Azide

#### Stabilisers
50% Glycerol

#### Immunogen
Recombinant human PI-3 kinase p85 subunit alpha

#### External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>P27986</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entrez Gene:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>5295</td>
<td>PIK3R1</td>
</tr>
</tbody>
</table>

#### Synonyms
GRB1
### Specificity

**Rabbit anti PI-3 kinase p85 subunit alpha antibody** recognizes PI-3 kinase p85 subunit alpha. PI-3 kinase p85 subunit alpha is a regulatory subunit of PI 3-kinase family of enzymes. PI 3-kinases are involved in a variety of cellular functions as part of the PI3K/AKT/mTOR pathway.

### Western Blotting

Rabbit anti PI-3 kinase p85 subunit alpha antibody detects a band of approximately 85 kDa in THP-1 cell lysate under reducing conditions.

### Storage

Store at -20°C

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

12 months from date of despatch

### Health And Safety Information

Material Safety Datasheet documentation #10049 available at:


### Regulatory

For research purposes only

### Related Products

#### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) **FITC**
- Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
- Goat Anti Rabbit IgG (Fc) (STAR121...) **Biotin, FITC, HRP**
- Sheep Anti Rabbit IgG (STAR35...) **RPE**
- Sheep Anti Rabbit IgG (2AB02...) **Biotin**
- Sheep Anti Rabbit IgG (STAR36...) **DyLight®488, DyLight®680, DyLight®800**

#### Recommended Useful Reagents

- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

**Related Products**

**Recommended Secondary Antibodies**

- Sheep Anti Rabbit IgG (STAR34...) **FITC**
- Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
- Goat Anti Rabbit IgG (Fc) (STAR121...) **Biotin, FITC, HRP**
- Sheep Anti Rabbit IgG (STAR35...) **RPE**
- Sheep Anti Rabbit IgG (2AB02...) **Biotin**
- Sheep Anti Rabbit IgG (STAR36...) **DyLight®488, DyLight®680, DyLight®800**

**Recommended Useful Reagents**

- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)