**Datasheet: AHP622Z**

<table>
<thead>
<tr>
<th>Product Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
</tr>
<tr>
<td><strong>Specificity:</strong></td>
</tr>
<tr>
<td><strong>Format:</strong></td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
</tr>
</tbody>
</table>

**RRID**

AB_2090332

**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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/5000 - 1/10000</td>
</tr>
<tr>
<td>Functional Assays</td>
<td></td>
<td></td>
<td></td>
<td>2-20ul</td>
</tr>
</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Product Form**

Serum - liquid

**Antiserum Preparation**

Antisera to human CYP3A4 were raised by repeated immunisation of rabbits with highly purified antigen.

**Preservative Stabilisers**

None Present

**Immunogen**

Purified human CYP3A4 expressed in *E.Coli*

**External Database Links**

**UniProt:**

P08684  Related reagents

**Entrez Gene:**

1576  CYP3A4  Related reagents
**Synonyms**  
CYP3A3

**Specificity**  
**Rabbit anti Human cytochrome p450 3A4 antibody** recognizes human cytochrome p450 3A4 (CYP3A4). P450 enzymes are divided into two groups: steroidogenic and xenobiotic. The latter group is comprised of three families 1, 2 and 3. The xenobiotic p450's are involved in most oxidative drug metabolism. Work in this area is ongoing but studies suggest that all known drug metabolism is mediated by family members: CYP3A, CYP2D6, CYP1A2, CYP2C9/10, CYP2C19 and CYP2E1. Rabbit anti Human cytochrome p450 3A4 antibody is a neutralizing antibody, a specific and potent inhibitor of CYP3A4.

**References**

5. Hřebačková, J. *et al.* (2009) Histone deacetylase inhibitors valproate and trichostatin A are toxic to neuroblastoma cells and modulate cytochrome P450 1A1, 1B1 and 3A4 expression in these cells. *Interdiscip Toxicol. 2:* 205-10.

**Further Reading**


**Storage**

Store at -20°C. Ship at +4°C.

This product should be stored undiluted.

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

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**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 (STAR36...)  DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800
Sheep Anti Rabbit IgG (2AB02...)  Biotin

**Recommended Useful Reagents**

**TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)**

<table>
<thead>
<tr>
<th>North &amp; South America</th>
<th>Tel: +1 800 265 7376</th>
<th>Worldwide</th>
<th>Tel: +44 (0)1865 852 700</th>
<th>Europe</th>
<th>Tel: +49 (0) 89 8090 95 21</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fax: +1 919 878 3751</td>
<td></td>
<td>Fax: +44 (0)1865 852 739</td>
<td></td>
<td>Fax: +49 (0) 89 8090 95 50</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></td>
<td></td>
<td>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></td>
<td></td>
<td>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></td>
</tr>
</tbody>
</table>

'M336723:181214'

**Printed on 15 Mar 2019**