**Product datasheet**

**Anti-CYP3A5 antibody [F18 P3 B6] ab56076**

**Overview**

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-CYP3A5 antibody [F18 P3 B6]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Mouse monoclonal [F18 P3 B6] to CYP3A5</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Mouse</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB, IHC-P</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Human, Recombinant fragment</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Synthetic peptide corresponding to Human CYP3A5 (C terminal).</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>Oesophageal Squamous cell carcinoma tissue.</td>
</tr>
<tr>
<td><strong>General notes</strong></td>
<td>This product was previously labelled as Cytochrome P450 3A5</td>
</tr>
</tbody>
</table>

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.

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&As.

**Properties**

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>Preservative: 0.08% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituent: PBS</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>F18 P3 B6</td>
</tr>
<tr>
<td><strong>Myeloma</strong></td>
<td>Ag8.653</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1</td>
</tr>
</tbody>
</table>

**Applications**

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**Form**

**Storage instructions**

**Storage buffer**

**Clonality**

**Clone number**

**Myeloma**

**Isotype**
Our **Abpromise guarantee** covers the use of ab56076 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>Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 1 - 5 µg/ml.</td>
</tr>
</tbody>
</table>

### Target

#### Function
Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

#### Sequence similarities
Belongs to the cytochrome P450 family.

#### Cellular localization
Endoplasmic reticulum membrane. Microsome membrane.

### Images

**All lanes**: Anti-CYP3A5 antibody [F18 P3 B6] (ab56076) at 2 µg/ml

**Lane 1**: CYP3A4 recombinant CYP450 protein

**Lane 2**: CYP3A5 recombinant CYP450 protein

**Lane 3**: CYP3A7 recombinant CYP450 protein

**Predicted band size**: 57 kDa

**Observed band size**: 57 kDa

**Lane 1**: Molecular weight markers

**Lanes 2-10**: Anti-CYP3A5 antibody [F18 P3 B6] (ab56076) at 2 µg/ml

**Lane 2**: CYP1A1 recombinant protein

**Lane 3**: CYP2C18 recombinant protein

**Lane 4**: CYP2C19 recombinant protein

**Lane 5**: CYP2D6 recombinant protein

**Lane 6**: CYP4F2 recombinant protein

**Lane 7**: CYP4F3 recombinant protein
Lane 8: CYP3A5 recombinant protein
Lane 9: CYP3A7 recombinant protein
Lane 10: Negative control

Predicted band size: 57 kDa
Observed band size: 57 kDa

Oesophageal squamous cell carcinoma tissue stained with ab56076 at 5 µg/ml.

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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