

## Product datasheet

# Anti-CYP2A6 antibody ab3570

★★★★★ [2 Abreviews](#) [4 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-CYP2A6 antibody
<b>Description</b>	Rabbit polyclonal to CYP2A6
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein (His-tag) corresponding to Human CYP2A6. Purified, His-tagged, full length human P450 2A6 fusion protein.
<b>Positive control</b>	WB: HepG2 cells.
<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	IgG fraction
<b>Primary antibody notes</b>	The Cytochrome P450 (P450) superfamily of enzymes is one of three enzyme systems which metabolize the fatty acid arachadonic acid (AA) to regulators of vascular tone. P450 enzymes are monooxygenase enzymes which require several co-factors such as nicotinamide adenine dinucleotide phosphate (NADPH) and P450 reductase. There are over 200 known genes which encode P450s. Epoxygenases are those P450s which metabolize AA to epoxyeicosatrienoic acid (EETs) and omega-hydroxylases are those P450s which produce 19- and 20-hydroxyeicosatetraenoic acids (19- and 20-HETE). As well as fatty acid metabolism, P450s also

metabolize many drugs and toxins. Cytochrome P450 3A4 is abundantly expressed in liver and small intestine and is inducible by barbiturates, glucocorticoids and rifampicin.

**Clonality** Polyclonal  
**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab3570 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)	1/1000 - 1/5000. Predicted molecular weight: 57 kDa.

## Target

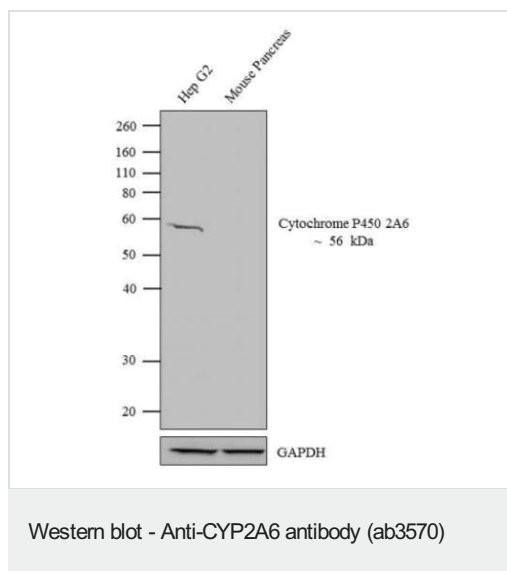
**Function** Exhibits a high coumarin 7-hydroxylase activity. Can act in the hydroxylation of the anti-cancer drugs cyclophosphamide and ifosphamide. Competent in the metabolic activation of aflatoxin B1. Constitutes the major nicotine C-oxidase. Possesses low phenacetin O-deethylation activity.

**Tissue specificity** Liver.

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

**Cellular localization** Endoplasmic reticulum membrane. Microsome membrane.

## Images



**All lanes** : Anti-CYP2A6 antibody (ab3570) at 1/1000 dilution

**Lane 1** : Hep G2 whole cell extract

**Lane 2** : Mouse Pancreas whole cell extract

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes** : Goat anti-Rabbit IgG (H+L) HRP conjugate at 1/5000 dilution

**Predicted band size:** 57 kDa

A 56 kDa band corresponding to Cytochrome P450 2A6 was observed in Hep G2 but not in Mouse Pancreas.

Blocking buffer: 5 % skimmed milk.

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

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