

Product datasheet

Anti-Cytochrome P450 2B1 + 2B2 antibody [b/e4 (9.20)] ab22721

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

Overview

Product name	Anti-Cytochrome P450 2B1 + 2B2 antibody [b/e4 (9.20)]
Description	Mouse monoclonal [b/e4 (9.20)] to Cytochrome P450 2B1 + 2B2
Host species	Mouse
Specificity	Clone b/e4 does not react with CYP 1A1, 1A2, 2C6, 2C7, 2C11, 4A2, 4A3.
Tested applications	Suitable for: ELISA, WB, IP
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Full length protein (Rat).
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Constituent: PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	b/e4 (9.20)
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab22721 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
ELISA		Use at an assay dependent concentration.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 56 kDa.
IP		Use at an assay dependent concentration.

Target

Relevance

The Cytochrome 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.

Cellular localization

Membrane bound, endoplasmic reticulum

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