

Datasheet: VMA00156

Description:	MOUSE ANTI CYTOCHROME P450 2E1
Specificity:	CYTOCHROME P450 2E1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI5F11
Isotype:	IgG1
Quantity:	100 µl

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.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human cytochrome P450 2E1 (NP_000764) produced in HEK293T cells
External Database Links	UniProt: P05181 Related reagents Entrez Gene: 1571 CYP2E1 Related reagents
Synonyms	CYP2E

Specificity

Mouse anti Human cytochrome P450 2E1 antibody recognizes cytochrome P450 2E1, also known as 4-nitrophenol 2-hydroxylase, CYP1IIE1, cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1, cytochrome P450-J, flavoprotein-linked monooxygenase, microsomal monooxygenase and xenobiotic monooxygenase.

Encoded by the CYP2E1 gene, cytochrome P450 2E1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer (provided by RefSeq, Jul 2008).

Mouse anti Human cytochrome P450 2E1 antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti Cytochrome P450 2E1 detects a band of approximately 57 kDa in Human liver cell lysates.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Shelf Life

As supplied, 12 months from date of despatch.

Acknowledgements

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10048 available at:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...)[HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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