

Monoclonal Antibody to CYP2B2 - Purified

Alternate names:	CYP11B2, Cytochrome P450 2B2, Cytochrome P450 PB4, Cytochrome P450E
Catalog No.:	AM00692PU-N
Quantity:	10 Blots
Background:	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.
Uniprot ID:	P04167
NCBI:	NP_001185605.1
GeneID:	361523
Host / Isotype:	Mouse / IgG
Clone:	BDI002
Immunogen:	Rat P450 2B2
Format:	State: Liquid Ig fraction Purification: Ammonium sulfate precipitation and DEAE chromatography Buffer System: PBS, pH 7.4
Applications:	ELISA. Western blot (1:100 will yield a strong band with 10 µg of Phenobarbital induced rat microsomes using Alkaline Phosphatase). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Cytochrome P450 (2B1, 2B2). Cross reacts weakly with P450 2A1. Species: Rat. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.