

Mouse CYP2C9 Monoclonal Antibody | anti-CYP2C9 antibody

CYP2C9 antibody

CATALOG # AAA74738	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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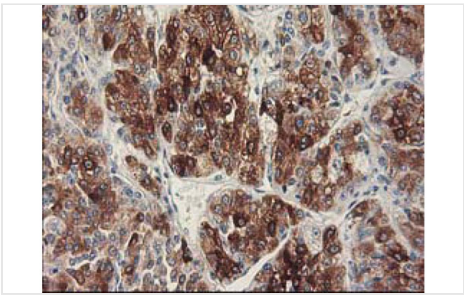
PRODUCT SYNONYMS

CYP2C9; Monoclonal Antibody; CYP2C9 antibody; Monoclonal CYP2C9; Anti-CYP2C9; Cytochrome P450 Family 2 Subfamily C Polypeptide 9; CPC9; CYP2C; CYP2C10; MGC149605; MGC88320; P450 MP-4; P450 PB-1; P450IIC9; Cytochrome P450; Cytochrome P 450; Cytochrome P-450; anti-CYP2C9 antibody

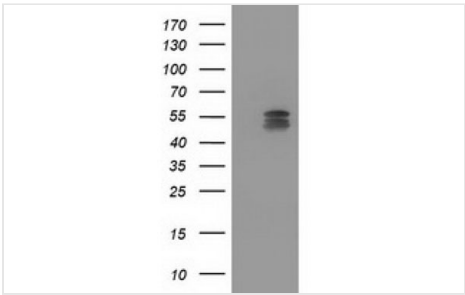
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	3D2
Purity/Purification	CYP2C9 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	490
Applicable Applications for anti-CYP2C9 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	CYP2C9 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 its expression is induced by rifampin. The enzyme is known to metabolize many xenobiotics, including phenytoin, tolbutamide, ibuprofen and S-warfarin. Studies identifying individuals who are poor metabolizers of phenytoin and tolbutamide suggest that CYP2C9 gene is polymorphic.
Cross-Reactivity	Human
Immunogen	CYP2C9 antibody was raised in mouse using a full length recombinant protein of human CYP2C9 (NP_000762) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of CYP2C9 protein in paraffin embedded Carcinoma of Human liver tissue using CYP2C9 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CYP2C9 protein (Right) or empty vector (Left) detected with CYP2C9 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2C9 antibody	Mouse monoclonal CYP2C9 antibody
Product Categories/Family for anti-CYP2C9 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	13699818
NCBI GeneID	1559
NCBI Accession #	NP_000762
NCBI GenBank Nucleotide #	NM_000771.3
UniProt Accession #	P11712; P11713; Q16756; Q16872; Q5VX92; Q6IRV8; Q8WW80
Molecular Weight	18,005 Da
NCBI Official Full Name	cytochrome P450 2C9
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily C, polypeptide 9
NCBI Official Symbol	CYP2C9
NCBI Official Synonym Symbols	CPC9; CYP2C; CYP2C10; CYP11C9; P45011C9
NCBI Protein Information	cytochrome P450 2C9
UniProt Protein Name	Cytochrome P450 2C9
UniProt Gene Name	CYP2C9
UniProt Synonym Gene Names	CYP2C10
UniProt Entry Name	CP2C9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.