Rabbit anti-Human, Mouse Cytochrome P450 2W1 Polyclonal Antibody | anti-CYP2W1 antibody

Cytochrome P450 2W1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324269	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Cytochrome P450 2W1; Polyclonal Antibody; Cytochrome P450 2W1 Antibody; CP2W1_HUMAN; CYP2W 1; CYP2W1; CYPIIW1; Cytochrome P450; family 2; subfamily W; polypeptide 1; MGC34287; anti-CYP2W1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 2W1 antibody detects endogenous levels of total Cytochrome P450 2W1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	490
Applicable Applications for anti-CYP2W1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane. Endoplasmic Reticulum Membrane.
Tissue Specificity	Very low levels are detected in fetal and adult tissues. Highly expressed in several tumor samples, in particular colon and adrenal tumors.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

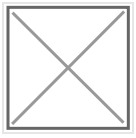
IMAGES



IF (Immunofluorescence)
AAA324269 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA324269 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells using Cytochrome P450 2W1 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2W1 antibody	Function: Seems to have broad catalytic activity towards several chemicals, including polycyclic aromatic hydrocarbon dihydrodiols and aromatic amines (PubMed:16551781, PubMed:24278521). Active also in the metabolism of indoline substrates and is able to activate aflatoxin B1 into cytotoxic products (PubMed:20805301). Furthermore, it seems to be involved in the oxydation of lysophospholipids and fatty acids (PubMed:22591743). Similarity: Belongs to the cytochrome P450 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	64368472
NCBI GeneID	54905
NCBI Accession #	NP_060251.2
NCBI GenBank Nucleotide #	NM_017781.2
UniProt Accession #	Q8TAV3
Molecular Weight	Observed: 55 kD Predicted: 54 kDa
NCBI Official Full Name	cytochrome P450 2W1
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily W member 1
NCBI Official Symbol	CYP2W1
NCBI Protein Information	cytochrome P450 2W1
UniProt Protein Name	Cytochrome P450 2W1
UniProt Gene Name	**CYP2W1**

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.

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