Mouse CYP1A2 Monoclonal Antibody | anti-CYP1A2 antibody

CYP1A2 antibody

CATALOG #	HOST	APPLICATIONS
AAA106423	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CYP1A2; Monoclonal Antibody; CYP1A2 antibody; Monoclonal CYP1A2; Anti-CYP1A2; Cytochrome P450 1A2; Cytochrome P450; Cytochrome P 450; Cytochrome P-450; anti-CYP1A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	15 E2
Purity/Purification	CYP1A2 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	516
Applicable Applications for anti-CYP1A2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	The cytochrome P450 superfamily is a large and diverse group of enzymes. The function of most CYP enzymes is to catalyze the oxidation of organic substances. The substrates of CYP enzymes include metabolic intermediates such as lipids and steroidal hormones, as well as xenobiotic substances such as drugs and other toxic chemicals. CYP1A2 is involved in the metabolism of xenobiotics in the body. In humans, the CYP1A2 enzyme is encoded by the CYP1A2 gene. Expression of CYP1A2 appears to be induced by various dietary constituents.
Cross-Reactivity	Human
Immunogen	CYP1A2 antibody was raised in mouse using a full length recombinant protein of human CYP1A2 (NP_000752) 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 (Immunohiostchemistry)
Immunohistochemical analysis of CYP1A2 protein in paraffin embedded Human kidney tissue using CYP1A2 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CYP1A2 protein (Right) or empty vector (Left) detected with CYP1A2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A2 antibody	Mouse monoclonal CYP1A2 antibody
Product Categories/Family for anti-CYP1A2 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	73915100
NCBI GeneID	1544
NCBI Accession #	NP_000752
NCBI GenBank Nucleotide #	NM_000761.3
UniProt Accession #	P05177; Q16754; Q6NWU5; Q9BXX7; Q9UK49
Molecular Weight	58,407 Da
NCBI Official Full Name	cytochrome P450 1A2
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2
UniProt Protein Name	Cytochrome P450 1A2
UniProt Gene Name	**CYP1A2**
UniProt Entry Name	CP1A2_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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cyp1a2-antibody-clone-15-e2-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106423