

Rabbit anti-Human, Rat Cytochrome P450 2A13 Polyclonal Antibody | anti-CYP2A13 antibody

Cytochrome P450 2A13 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324259	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 2A13; Polyclonal Antibody; Cytochrome P450 2A13 Antibody; CP2AD_HUMAN; CPAD; CYP2A; CYP2A13; CYP11A13; CYTOCHROME P450; SUBFAMILY IIA; POLYPEPTIDE 13; anti-CYP2A13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 2A13 antibody detects endogenous levels of total Cytochrome P450 2A13
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	494
Applicable Applications for anti-CYP2A13 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Expressed in liver and a number of extrahepatic tissues, including nasal mucosa, lung, trachea, brain, mammary gland, prostate, testis, and uterus, but not in heart, kidney, bone marrow, colon, small intestine, spleen, stomach, thymus, or skeletal muscle.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using Cytochrome P450 2A13 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324259 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using Cytochrome P450 2A13 Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2A13 antibody

Function: Exhibits a coumarin 7-hydroxylase activity. Active in the metabolic activation of hexamethylphosphoramide, N, N-dimethylaniline, 2'-methoxyacetophenone, N-nitrosomethylphenylamine, and the tobacco-specific carcinogen, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Possesses phenacetin O-deethylation activity.
Similarity: Belongs to the cytochrome P450 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13699809
NCBI GeneID	1553
NCBI Accession #	NP_000757.2
NCBI GenBank Nucleotide #	NM_000766.4
UniProt Accession #	Q16696; Q53YR8; Q6R569; Q6R570; Q9H2X2
Molecular Weight	Observed: 56 kD Predicted: 57 kDa
NCBI Official Full Name	cytochrome P450 2A13
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily A member 13
NCBI Official Symbol	CYP2A13
NCBI Official Synonym Symbols	CPAD; CYP2A; CYP11A13
NCBI Protein Information	cytochrome P450 2A13
UniProt Protein Name	Cytochrome P450 2A13
UniProt Gene Name	CYP2A13

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.