

Rabbit anti-Human CYP2A13 Polyclonal Antibody | anti-CYP2A13 antibody

CYP2A13 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289278	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CYP2A13; Polyclonal Antibody; CYP2A13 Antibody (C-term); Cytochrome P450 2A13; CYP11A13; anti-CYP2A13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP2A13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 446-477 amino acids from the C-terminal region of human CYP2A13.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	446-477
Sequence Length	494
Applicable Applications for anti-CYP2A13 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

CYP2A13 Antibody (C-term) flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with CYP2A13 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CYP2A13 Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane). CYP2A13 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2A13 antibody	CYP2A13 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. Although its endogenous substrate has not been determined, it is known to metabolize 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, a major nitrosamine specific to tobacco.
Product Categories/Family for anti-CYP2A13 antibody	Cardiovascular; Metabolism; Signal transduction
References	Smith,G., et.al., Xenobiotica 28 (12), 1129-1165 (1998) Nelson,D.R., et.al., Pharmacogenetics 14 (1), 1-18 (2004)

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	56688
NCBI Official Full Name	cytochrome P450 2A13
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily A, polypeptide 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
UniProt Entry Name	CP2AD_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/polyclonal/cyp2a13-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/289278>