

Rabbit anti-Human CYP2R1 Polyclonal Antibody | anti-CYP2R1 antibody

CYP2R1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289312	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CYP2R1; Polyclonal Antibody; CYP2R1 Antibody (C-term); Vitamin D 25-hydroxylase; Cytochrome P450 2R1; anti-CYP2R1 antibody

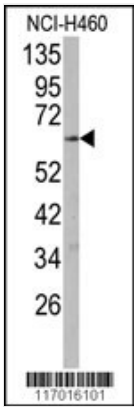
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP2R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 464-496 amino acids from the C-terminal region of human CYP2R1.
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	464-496
Sequence Length	501
Applicable Applications for anti-CYP2R1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with CYP2R1 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 anti-CYP2R1 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). CYP2R1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2R1 antibody	CYP2R1 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 enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. A mutation in CYP2R1 gene has been associated with selective 25-hydroxyvitamin D deficiency.
Product Categories/Family for anti-CYP2R1 antibody	Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction
References	Ramos-Lopez,E., Diabetes Obes Metab 10 (8), 683-685 (2008) Strushkevich,N., J. Mol. Biol. 380 (1), 95-106 (2008) Ramos-Lopez,E., Diabetes Metab. Res. Rev. 23 (8), 631-636 (2007) Nelson,D.R., Pharmacogenetics 14 (1), 1-18 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45267826
NCBI GeneID	120227
NCBI Accession #	NP_078790.2
NCBI GenBank Nucleotide #	NM_024514.4
UniProt Accession #	Q6VVX0; Q2M3H3; Q5RT65
Molecular Weight	57359
NCBI Official Full Name	vitamin D 25-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily R, polypeptide 1
NCBI Official Symbol	CYP2R1
NCBI Protein Information	vitamin D 25-hydroxylase
UniProt Protein Name	Vitamin D 25-hydroxylase
UniProt Gene Name	CYP2R1
UniProt Entry Name	CP2R1_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/cyp2r1-antibody-immunohistochemistry-western-blot-elisa/289312>