

Rabbit CYP27B1 Polyclonal Antibody | anti-CYP27B1 antibody

CYP27B1 Polyclonal Antibody

CATALOG # AAA311286	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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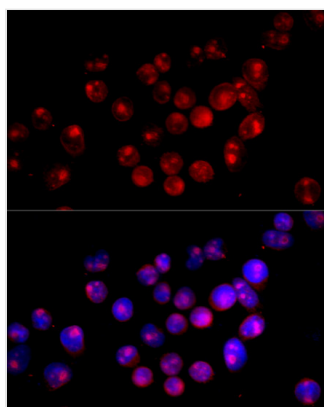
PRODUCT SYNONYMS

CYP27B1; Polyclonal Antibody; CYP27B1 Polyclonal Antibody; CP2B; CYP1; CYP1alpha; CYP27B; P450c1; PDDR; VDD1; VDDR; VDDRI; VDR; cytochrome P450 family 27 subfamily B member 1; anti-CYP27B1 antibody

PRODUCT SPECIFICATIONS

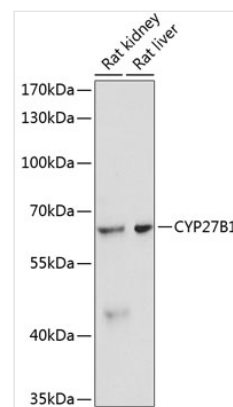
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 50% glycerol, pH7.4
Applicable Applications for anti-CYP27B1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human CYP27B1 (NP_000776.1).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using CYP27B1 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CYP27B1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP27B1 antibody	This gene encodes 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. The protein encoded by this gene localizes to the inner mitochondrial membrane where it hydroxylates 25-hydroxyvitamin D3 at the 1alpha position. This reaction synthesizes 1alpha, 25-dihydroxyvitamin D3, the active form of vitamin D3, which binds to the vitamin D receptor and regulates calcium metabolism. Thus this enzyme regulates the level of biologically active vitamin D and plays an important role in calcium homeostasis. Mutations in this gene can result in vitamin D-dependent rickets type I.
Product Categories/Family for anti-CYP27B1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503213
NCBI GeneID	1594
NCBI Accession #	NP_000776.1
NCBI GenBank Nucleotide #	NM_000785.3
UniProt Accession #	O15528; Q548T3; B2RC61
Molecular Weight	56,504 Da
NCBI Official Full Name	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450 family 27 subfamily B member 1
NCBI Official Symbol	CYP27B1
NCBI Official Synonym Symbols	VDR; CP2B; CYP1; PDDR; VDD1; VDDR; VDDRI; CYP27B; P450c1; CYP1alpha
NCBI Protein Information	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
UniProt Protein Name	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
UniProt Gene Name	CYP27B1
UniProt Synonym Gene Names	CYP1ALPHA; CYP27B; VD3 1A hydroxylase
UniProt Entry Name	CP27B_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://www.aaabiotech.com/polyclonal/cyp27b1-antibody-immunofluorescence-western-blot-elisa/311286>