

Product datasheet for TA361166

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OriGene Technologies, Inc.

CYP27B1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the C terminal region of human

CYP27B1

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 55 kDa

Gene Name: cytochrome P450 family 27 subfamily B member 1

Database Link: NP 000776.1

Entrez Gene 1594 Human

O15528



CYP27B1 Rabbit Polyclonal Antibody - TA361166

Background: 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.

Synonyms: 1alpha(OH)ase; CP2B; CYP1; CYP1alpha; CYP27B; P450c1; P450C1-alpha; P450VD1-alpha;

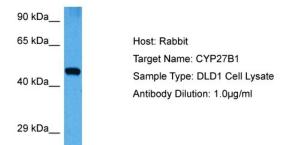
PDDR; VDD1; VDDR; VDDRI; VDR

Protein Families: Druggable Genome, P450

22 kDa_

Protein Pathways: Metabolic pathways, Steroid biosynthesis

Product images:



Host: Rabbit

Target Name: CYP27B1

Sample Tissue: Human DLD1 Whole Cell lysates

Antibody Dilution: 1ug/ml