



Anti-Cyp27b1 (aa 266-289) polyclonal antibody (DPABT-H6847)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep Anti-Cyp27b1 Polyclonal Antibody
Specificity	This antibody reacts with Cyp27b1, 56 KDa Protein in Western Blot.
Target	Cyp27b1
Immunogen	A synthetic peptide corresponding to amino acids 266-289 of mouse Cyp27b1.
Source/Host	Sheep
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB, IHC
Sequence Similarities	RHVELREGEAAMRNQGKPEEDMPS
Molecular Weight	56
Format	Liquid
Buffer	In glycine buffered NaCl, 2mM EDTA, pH 7.4 (0.1% sodium azide, 0.1% Epsilon-amino-n-caproic acid, 0.01% benzamidine)
Preservative	0.1% Sodium Azide
Storage	Store at 4°C. Do not freeze.

GENE INFORMATION

Gene Name	CYP27B1 cytochrome P450, family 27, subfamily B, polypeptide2[Homo sapiens]
Official Symbol	Cyp27b1
Synonyms	CYP27B1; cytochrome P450, family 27, subfamily B, polypeptide 1; cytochrome P450, subfamily XXVIIIB (25 hydroxyvitamin D2alpha hydroxylase), polypeptide2, PDDR, VDD1; 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial; 1alpha(OH)ase; 25 Hydroxyvitamin D3 1alpha hydroxylase; CYP1; P450c1; VDDR I; VD3 1A hydroxylase; cytochrome p450 27B1; cytochrome P450C1 alpha; cytochrome P450VD1-alpha; calcidiol 1-monooxygenase; 25-OHD-1 alpha-hydroxylase; 25 hydroxyvitamin D3-1-alpha hydroxylase; cytochrome P450 subfamily XXVIIIB polypeptide 1; VDR; CP2B; PDDR; VDD1; VDDR; VDDRI; CYP27B; CYP1alpha;
Entrez Gene ID	1594
Protein Refseq	NP_000776
UniProt ID	O15528
Chromosome Location	12q13.3-q14
Pathway	1,25-dihydroxyvitamin D3 biosynthesis, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cholecalciferol biosynthesis, organism-specific biosystem; Cholecalciferol biosynthesis, conserved biosystem; Cytochrome P45 - arranged by substrate type, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem.
Function	calcidiol 1-monooxygenase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen;