

Product datasheet for **AP54505PU-N**

Vitamin D Receptor (VDR) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 273-299 amino acids from the Central region of human VDR
Specificity:	This antibody detects Vitamin D3 receptor / NR111 (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vitamin D (1,25- dihydroxyvitamin D3) receptor
Database Link:	Entrez Gene 7421 Human P11473



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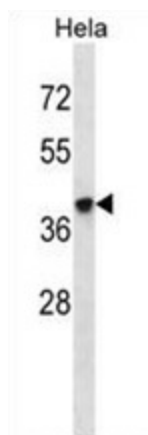
Background: This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions as a receptor for the secondary bile acid lithocholic acid. The receptor belongs to the family of trans-acting transcriptional regulatory factors and shows sequence similarity to the steroid and thyroid hormone receptors. Downstream targets of this nuclear hormone receptor are principally involved in mineral metabolism though the receptor regulates a variety of other metabolic pathways, such as those involved in the immune response and cancer. Mutations in this gene are associated with type II vitamin D-resistant rickets. A single nucleotide polymorphism in the initiation codon results in an alternate translation start site three codons downstream. Alternative splicing results in multiple transcript variants encoding the same protein.

Synonyms: VDR, 1,25-dihydroxyvitamin D3 receptor

Note: **Molecular Weight:** 48289 Da

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:



VDR Antibody (Center) western blot analysis in HeLa cell line lysates (35 ug/lane). This demonstrates the VDR antibody detected the VDR protein (arrow).