

Product datasheet for **AP21125PU-N**

Vitamin D Receptor (VDR) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of VDR protein. (region surrounding Lys45)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 48 kDa
Gene Name:	vitamin D (1,25- dihydroxyvitamin D3) receptor
Database Link:	<u>Entrez Gene 22337 Mouse</u> <u>Entrez Gene 24873 Rat</u> <u>Entrez Gene 7421 Human P11473</u>



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Background:

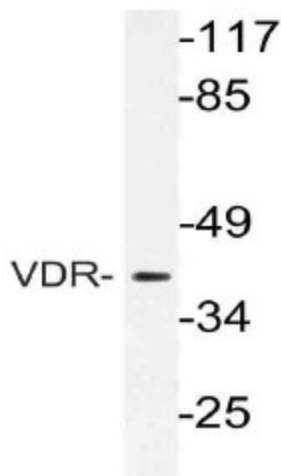
The vitamin D receptor (VDR), also known as the calcitriol receptor, and also known as NR1H1 (nuclear receptor subfamily 1, group I, member 1), is a member of the nuclear receptor family of transcription factors. Upon activation by vitamin D, the VDR forms a heterodimer with the retinoid-X receptor and binds to hormone response elements on DNA resulting in expression or trans-repression of specific gene products. It is an intracellular hormone receptor that specifically binds 1,25(OH)₂D₃ and mediates its effects. 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.

Synonyms:

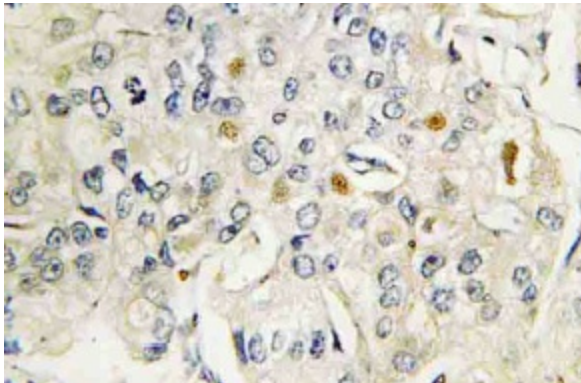
VDR, 1,25-dihydroxyvitamin D₃ receptor

Protein Families:

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:

Western blot (WB) analysis of VDR antibody (Cat.-No.: AP21125PU-N) in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of VDR antibody (Cat.-No.: AP21125PU-N) in paraffin-embedded human breast carcinoma tissue.