

# **Product datasheet for TA329229**

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# Vitamin D Receptor (VDR) Rabbit Polyclonal Antibody

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-VDR antibody: synthetic peptide directed towards the N terminal of

human VDR. Synthetic peptide located within the following region: LKRKEEEALKDSLRPKLSEEQQRIIAILLDAHHKTYDPTYSDFCQFRPPV

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

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 48 kDa

**Gene Name:** vitamin D (1,25- dihydroxyvitamin D3) receptor

Database Link: NP 000367

Entrez Gene 22337 MouseEntrez Gene 7421 Human

P11473



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Background:

The nuclear hormone receptor for vitamin D3 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.

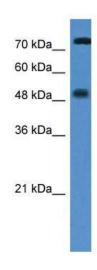
Synonyms: NR1I1; PPP1R163

Note: Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Rabbit: 100%; Bovine: 86%; Guinea pig: 85%; Zebrafish: 79%

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

## **Product images:**



WB Suggested Anti-VDR Antibody; Titration: 1.0 ug/ml; Positive Control: Jurkat Whole CellThere is BioGPS gene expression data showing that VDR is expressed in Jurkat