

Datasheet for ABIN3029599

anti-Vitamin D Receptor antibody (AA 274-299)[Go to Product page](#)**3** Images

Overview

Quantity:	0.4 mL
Target:	Vitamin D Receptor (VDR)
Binding Specificity:	AA 274-299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vitamin D Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 274-299 from the human protein was used as the immunogen for this VDR antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Vitamin D Receptor (VDR)
Alternative Name:	VDR (VDR Products)
Target Type:	Chemical
Background:	This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions

Target Details

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.

UniProt: [P11473](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: Titration of the VDR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

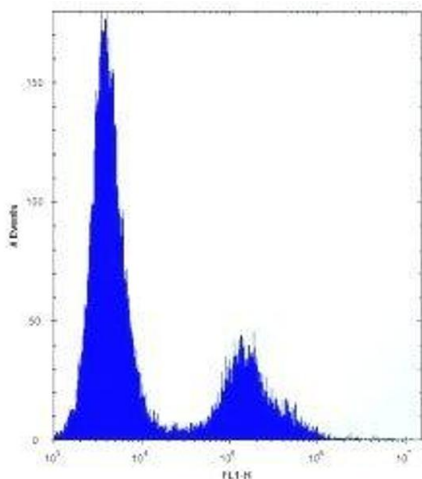
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

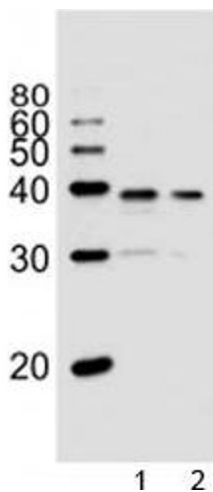
Storage: -20 °C

Storage Comment: Aliquot the VDR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



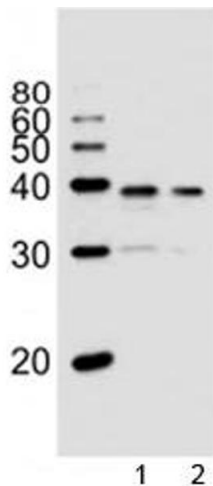
Flow Cytometry

Image 1. VDR antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 2. Western blot analysis of lysate from 1) PC3, and 2) LNCaP cell line using VDR antibody at 1:1000. Predicted molecular weight 48/54 kDa (isoforms 1/2).



Western Blotting

Image 3. Western blot analysis of lysate from 1) PC3, and 2) LNCaP cell line using VDR antibody at 1:1000. Predicted molecular weight 48/54 kDa (isoforms 1/2).