

Datasheet for ABIN2776857

anti-Vitamin D Receptor antibody (N-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	Vitamin D Receptor (VDR)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vitamin D Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VDR
Sequence:	EAMAASTSLP DPGDFDRNVP RICGVCGDRA TGFHFNAMTC EGCKGFFRRS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against VDR. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Vitamin D Receptor (VDR)
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Target Details

Alternative Name:	VDR (VDR Products)
Target Type:	Chemical
Background:	<p>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. 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.</p> <p>Alias Symbols: NR111</p> <p>Protein Interaction Partner: MED12, MED24, BAZ1B, SMARCA4, RXRA, MED1, NCOA2, NSD1, NCOA1, SRPK1, PTPN3, Hr, NKD2, MMRN2, CDCA7L, CXXC5, UBC, RXRB, PRKCSH, PRCP, CFH, CCND3, MYC, MXD1, BRCA1, PSMC5, NCOR1, SRC, NCOA6, PPP1CC, CDK11B, NR1H2, RXRG, CASC4, GABARAPL1, GABARAPL2, CLASRP,</p> <p>Protein Size: 427</p>
Molecular Weight:	48 kDa
Gene ID:	7421
NCBI Accession:	NM_000376 , NP_000367
UniProt:	P11473
Pathways:	Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway

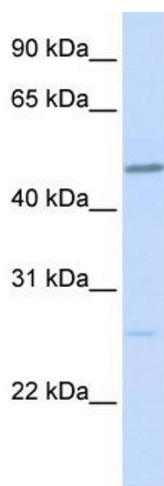
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 427 AA
Restrictions:	For Research Use only

Handling

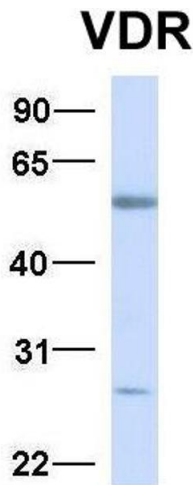
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #102749 for Immunohistochemistry (IHC)



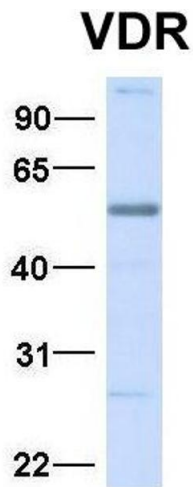
Western Blotting

Image 1. WB Suggested Anti-VDR Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human brain



Western Blotting

Image 2. Host: Rabbit Target Name: VDR Sample Type:
Human Fetal Liver Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: VDR Sample Type:
Human Adult Placenta Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2776857.