

VDR Polyclonal antibody

Catalog Number: 14526-1-AP

17 Publications

Basic Information

Catalog Number:

14526-1-AP

Size:

487 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6012

GenBank Accession Number:

BC060832

GeneID (NCBI):

7421

UNIPROT ID:

P11473

Full Name:

vitamin D (1,25- dihydroxyvitamin D3) receptor

Calculated MW:

48 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, goat, rat, Sheep, mouse

Positive Controls:

WB : PC-3 cells,

Background Information

The vitamin D receptor (VDR), also known as 1,25-dihydroxyvitamin D3 receptor, and also known as NR1L1 (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. Defects in VDR are the cause of rickets vitamin D-dependent type 2A (VDDR2A). A disorder of vitamin D metabolism results in severe rickets, hypocalcemia and secondary hyperparathyroidism. Most patients have total alopecia in addition to rickets. This antibody is a rabbit polyclonal antibody to human VDR.

Notable Publications

Author	Pubmed ID	Journal	Application
Yutian Li	36325190	Front Aging Neurosci	WB
Xiaoping Guo	32299030	J Nutr Biochem	WB
Jing Guo	32183826	Reprod Biol Endocrinol	WB, IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

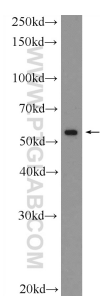
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 14526-1-AP (VDR Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.