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VDR

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:48kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human VDR

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

k

Synonym:

VDR; NR1I1; Vitamin D3 receptor; 1;25-dihydroxyvitamin D3 receptor; Nuclear receptor subfamily 1 group I member 1;

Catalog #:A2194

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:7421

Isotype: IgG

Swiss Prot:P11473

Purity: Affinity purification

For research use only.

Background:

The vitamin D receptor (VDR), also known as the calcitriol receptor, and also known as NR1I1 (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 Primary antibodyto human VDR.

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