

For Research Use Only

# VDR Monoclonal antibody

Catalog Number: 67192-1-Ig

Featured Product

21 Publications



## Basic Information

Catalog Number:

67192-1-Ig

Size:

150ul, Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28188

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:

48-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1A9C1

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF, ChIP

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, rat, pig

Positive Controls:

WB : MCF-7 cells, HeLa cells, HSC-T6 cells, T-47D cells, NCCIT cells, COLO 320 cells, 4T1 cells

## Background Information

The vitamin D receptor (VDR), 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)<sub>2</sub>D<sub>3</sub> 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. The VDR exists two isoform with the MV 48 kDa and 54 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jun Li	36338128	Front Bioeng Biotechnol	WB
Xinyu Zhang	36497006	Cells	WB,IF
Yingyu Lu	35523114	Phytomedicine	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

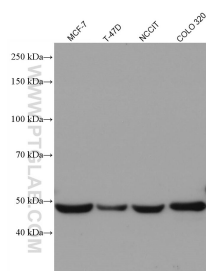
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67192-1-Ig (VDR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.