

For Research Use Only

VDR Monoclonal antibody

Catalog Number: 67192-1-Ig **7 Publications**



Basic Information

Catalog Number: 67192-1-Ig	GenBank Accession Number: BC060832	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7421	CloneNo.: 1A9C1
Source: Mouse	Full Name: vitamin D (1,25- dihydroxyvitamin D3) receptor	Recommended Dilutions: WB 1:2000-1:10000 IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG28188	Observed MW: 48-55 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells, HSC-T6 cells, T-47D cells, NCCIT cells, COLO 320 cells
Cited Applications: ChIP, IF, WB	IF : HepG2 cells,
Species Specificity: Human, mouse, rat	
Cited Species: human, mouse, rat	

Background Information

The vitamin D receptor (VDR), also known as NR111 (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. The VDR exists two isoform with the MV 48 kDa and 54 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yingyu Lu	35523114	Phytomedicine	WB
Zhirong Jia	35301287	Cell Death Discov	WB
Wenbo Zhu	35359726	Front Microbiol	WB

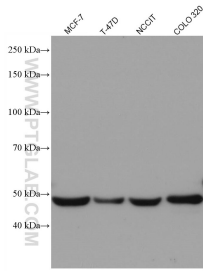
Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

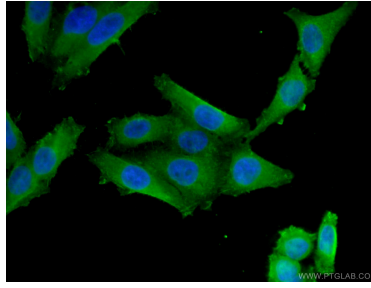
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Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67192-1-Ig (VDR antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).