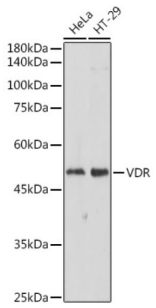
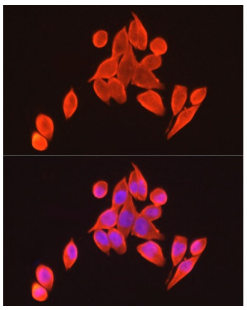
Vitamin D3 Receptor (VDR) Antibody

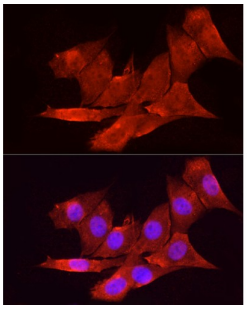
Catalogue No.:abx001806



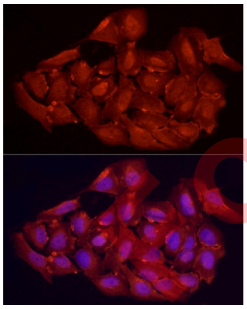
Western blot analysis of extracts of various cell lines using VDR Antibody (1/500 dilution).



Immunofluorescence analysis of HeLa cells using VDR Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using VDR Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using VDR Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

VDR Antibody is a Rabbit Polyclonal antibody against VDR. 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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Target:	Vitamin D3 Receptor (VDR)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human VDR
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P11473 (UniProt, ExPASy)
Gene Symbol:	VDR
GeneID:	7421
NCBI Accession:	NP_000367.1
KEGG:	hsa:7421
String:	9606.ENSP00000447173
Molecular Weight:	Calculated MW: 48 kDa/53 kDa Observed MW: 48 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
Concentration:	1 mg/ml

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