

Rabbit anti-Human, Rat Vitamin D3 Polyclonal Antibody | anti-VDR antibody

Vitamin D3 Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312117	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Vitamin D3; Polyclonal Antibody; Vitamin D3 Receptor Antibody; 1 25 dihydroxyvitamin D3 receptor antibody; 1 antibody; 1; 25 dihydroxyvitamin D3 receptor antibody; 25-dihydroxyvitamin D3 receptor antibody; Member 1 antibody; NR1I1 antibody; Nuclear receptor subfamily 1 group I member 1 antibody; PPP1R163 antibody; Protein phosphatase 1; regulatory subunit 163 antibody; VDR antibody; VDR_HUMAN antibody; Vitamin D (1; 25- dihydroxyvitamin D3) receptor antibody; Vitamin D hormone receptor antibody; Vitamin D nuclear receptor variant 1 antibody; Vitamin D receptor antibody; Vitamin D3 receptor antibody; anti-VDR antibody

PRODUCT SPECIFICATIONS

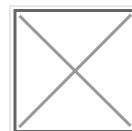
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Protein affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-VDR antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Recombinant protein with human Vitamin D Receptor aa 100-300.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



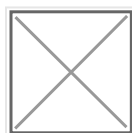
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of LOVO cells with Vitamin D Receptor antibody at 1/50 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



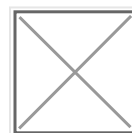
ICC (Immunocytochemistry)

ICC staining Vitamin D Receptor in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Vitamin D Receptor in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Vitamin D Receptor in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of Vitamin D Receptor on different cell lysate using anti-Vitamin D Receptor antibody at 1/2, 000 dilution. Positive control: Lane1: U937 Lane2: SK-Br-3

ADDITIONAL INFORMATION

Related Product Information for anti-VDR antibody	The active metabolite of vitamin D modulates the expression of a wide variety of genes in a developmentally specific manner. This secosteroid hormone can up- or downregulate the expression of genes involved in a diverse array of responses such as proliferation, differentiation and calcium homeostasis. 1, 25- (OH) ² -vitamin D ₃ exerts its effects through interaction with the vitamin D receptor (VDR), a member of the superfamily of hormone-activated nuclear receptors. In its ligand-bound state, the VDR forms heterodimers with the 9-cis retinoic acid receptor, RXR, and affects gene expression by binding specific DNA sequences known as hormone response elements, or HREs. In addition to regulating the above-mentioned cellular responses, 1, 25- (OH) ² -vitamin D ₃ exhibits antiproliferative properties in osteosarcoma, melanoma, colon carcinoma and breast carcinoma cells.
Product Categories/Family for anti-VDR antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507883
NCBI GeneID	7421
NCBI Accession #	NP_000367.1
NCBI GenBank Nucleotide #	NM_000376.2
UniProt Accession #	P11473; Q5PSV3; B2R5Q1
Molecular Weight	48,289 Da
NCBI Official Full Name	vitamin D3 receptor isoform VDRA
NCBI Official Synonym Full Names	vitamin D (1,25- dihydroxyvitamin D3) receptor
NCBI Official Symbol	VDR
NCBI Official Synonym Symbols	NR1I1
NCBI Protein Information	vitamin D3 receptor; 1,25-dihydroxyvitamin D3 receptor; vitamin D nuclear receptor variant 1; nuclear receptor subfamily 1 group I member 1
UniProt Protein Name	Vitamin D3 receptor
UniProt Gene Name	VDR
UniProt Synonym Gene Names	NR1I1; VDR
UniProt Entry Name	VDR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.