



Vitamin D Receptor (PTR2542) Mouse mAb

Catalog No	YP-Ab-17181
Isotype	IgG
Reactivity	Human
Applications	WB,ELISA
Gene Name	VDR NR1I1
Immunogen	Synthesized peptide derived from human Vitamin D Receptor
Specificity	This antibody detects endogenous levels of Vitamin D Receptor at Human
Formulation	PBS, pH7.4, 50% glycerol, 0.03%Proclin 300
Source	Mouse,monoclonal:IgG1,kappa
Purification	Protein G
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Vitamin D Receptor;VDR NR1I1;Vitamin D3 receptor (VDR) (1;25-dihydroxyvitamin D3 receptor) (Nuclear receptor subfamily 1 group I member 1)
Observed Band	48kDa
Calculated Molecular Weight	48kDa
Cell Pathway	Nucleus . Cytoplasm . Localizes mainly to the nucleus (PubMed:28698609, PubMed:12145331). Localization to the nucleus is enhanced by vitamin D3. .
Tissue Specificity	
Function	caution:It is uncertain whether Met-1 or Met-4 is the initiator.,disease:Defects in VDR are the cause of type IIA rickets [MIM:277440]; also known as hypocalcemic vitamin D-resistant rickets (HVDRR). HVDRR is most frequently an autosomal recessive disorder characterized by severe rickets, hypocalcemia and secondary hyperparathyroidism.,domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,function:Nuclear hormone receptor. Transcription factor that mediates the action of vitamin D3 by controlling the expression of hormone sensitive genes. Regulates transcription of hormone sensitive genes via its association with the WINAC complex, a chromatin-remodeling complex. Recruited to promoters via its interaction with the WINAC complex subunit BAZ1B/WSTF, which mediates the interaction with acetylated histones, an



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Background

vitamin D (1,25- dihydroxyvitamin D3) receptor(VDR) Homo sapiens This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions as a receptor for the secondary bile acid lithocholic acid. The receptor belongs to the family of trans-acting transcriptional regulatory factors and shows sequence similarity to the steroid and thyroid hormone receptors. 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. Mutations in this gene are associated with type II vitamin D-resistant rickets. A single nucleotide polymorphism in the initiation codon results in an alternate translation start site three codons downstream. Alternative splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Feb 2011],

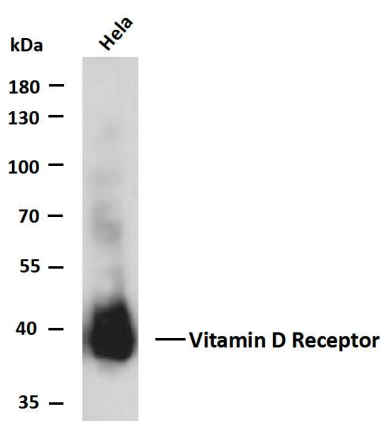
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Whole cell lysates of HeLa were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Vitamin D Receptor antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 48kDa Observed band size: 37kDa