

Datasheet for ABIN7180105
anti-Vitamin D Receptor antibody (Ser51)



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1 Image

Overview

Quantity:	100 µL
Target:	Vitamin D Receptor (VDR)
Binding Specificity:	Ser51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vitamin D Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human Vitamin D3 Receptor around the phosphorylation site of serine 51 (R-R-S(p)-M-K).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	Vitamin D Receptor (VDR)
Alternative Name:	VDR (VDR Products)

Target Details

Target Type: Chemical

Background: Background: 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 essential step for VDR-promoter association. Plays a central role in calcium homeostasis.

Baker A.R., Proc. Natl. Acad. Sci. U.S.A. 85:3294-3298(1988).

Goto H., Biochim. Biophys. Acta 1132:103-108(1992).

Miyamoto K., Mol. Endocrinol. 11:1165-1179(1997).

Aliases: 1 25 dihydroxyvitamin D3 receptor antibody, 1 antibody, 1,25 dihydroxyvitamin D3 receptor antibody, 1,25-@dihydroxyvitamin D3 receptor antibody, 25-dihydroxyvitamin D3 receptor antibody, Member 1 antibody, NR111 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

UniProt: [P11473](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

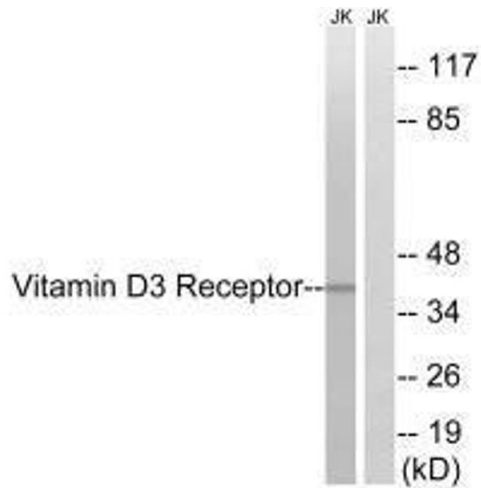
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from Jurkat cells, using Vitamin D3 Receptor (Ab-51) antibody.