Datasheet for ABIN7138639

anti-Vitamin D Receptor antibody (pSer51)

1 Image

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Overview

Quantity:	100 µL
Target:	Vitamin D Receptor (VDR)
Binding Specificity:	pSer51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vitamin D Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 51 (R-R-S(p)-M-K) derived from Human Vitamin D3 Receptor.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

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

Target Details

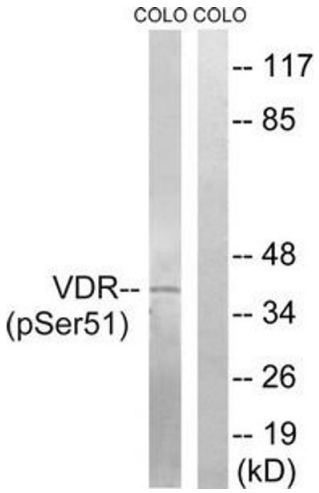
Target Type:	Chemical
Background:	Background: Nuclear hormone receptor. Transcription factor that mediates the action of vitamin D3 by controlling the expression of hormone sensitive genes. Regulates transcription of hormone sensitive genes via its association with the WINAC complex, a chromatin-remodeling 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. 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, 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
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.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/mL, 15 mins), using Vitamin D3 Receptor (Phospho-Ser51) antibody. The lane on the right is treated with the synthesized peptide.