Vitamin D3 Receptor (Phospho-Ser51) Antibody

Catalog No: #12155

Package Size: #12155-1 50ul #12155-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

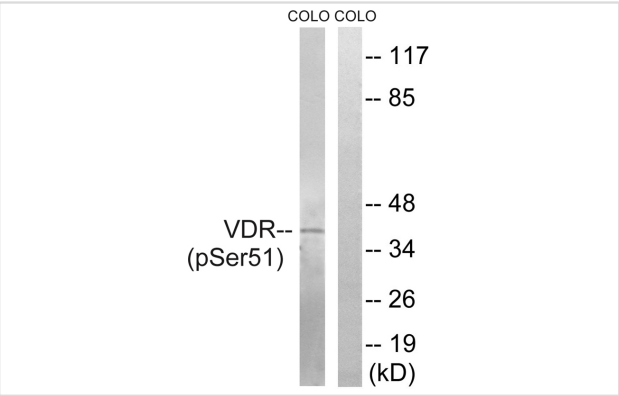
Description

Product Name	Vitamin D3 Receptor (Phospho-Ser51) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Vitamin D3 Receptor only when phosphorylated at serine 51.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 51 (R-R-S(p)-M-K) derived from Human Vitamin D3 Receptor.
Target Name	Vitamin D3 Receptor
Modification	Phospho
Other Names	1;25-dihydroxyvitamin D3 receptor; NR1I1; vitamin D receptor; vitamin D3 receptor
Accession No.	Swiss-Prot#:P11473;NCBI Gene#:7421
Uniprot	P11473
GeneID	7421;
SDS-PAGE MW	38kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/ml, 15mins), using Vitamin D3 Receptor (Phospho-Ser51) antibody #12155. The lane on the right is treated with the synthesized peptide.

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.

Note: This product is for in vitro research use only