Vitamin D3 Receptor (Ab-51) Antibody

Catalog No: #33256

Package Size: #33256-1 50ul #33256-2 100ul

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

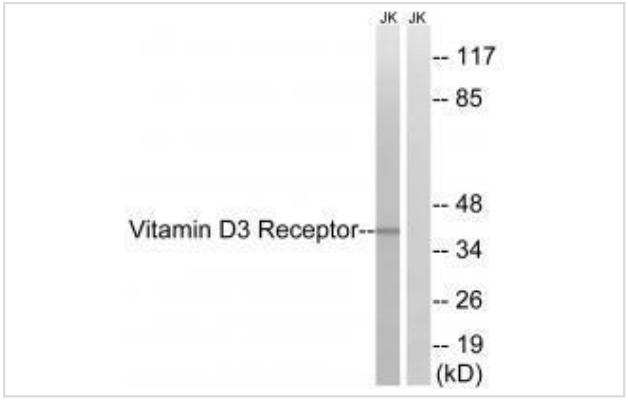
Description

Product Name	Vitamin D3 Receptor (Ab-51) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total Vitamin D3 Receptor protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human Vitamin D3 Receptor around the phosphorylation site of serine 51 (R-R-S(p)-M-K).
Target Name	Vitamin D3 Receptor
Other Names	1,25-dihydroxyvitamin D3 receptor; NR1I1; vitamin D receptor; vitamin D3 receptor
Accession No.	Swiss-Prot: P11473NCBI Gene ID: 7421
SDS-PAGE MW	40kd
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 Jurkat cells, using Vitamin D3 Receptor (Ab-51) antibody #33256.

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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.