

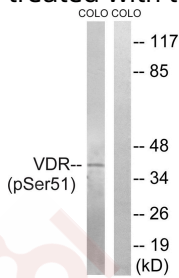
Anti-Phospho-Vitamin D Receptor/VDR (Tyr822) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 38 kDa.
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 chromatography using non-phosphopeptide.

Applications

Verified Activity: 1. Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/ml, 15mins), using Vitamin D3 Receptor (Phospho-Ser51) antibody TMAC-04266. The lane on the right is treated with the synthesized peptide.



Application:	WB
Recommended	WB: 1:500-3000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 51 (R-R-S(p)-M-K) derived from Human Vitamin D3 Receptor
Antigen Species:	Human
Uniprot ID:	P11473
Synonyms:	p-Vitamin D Receptor/VDR (Tyr822);Vitamin D Receptor/VDR (p-Y822);p-Vitamin D Receptor/VDR (Y822);Vitamin D Receptor/VDR (p-Tyr822)

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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