

VDR(Phospho Ser51) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15448
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Vitamin D3 Receptor around the phosphorylation site of Ser51. AA range:16-65
Mol wt	48289
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Vitamin D3 receptor
Synonyms	Vitamin D3 receptor; VDR; NR1H1; Vitamin D3 receptor; VDR; 1; 25-dihydroxyvitamin D3 receptor; Nuclear receptor subfamily 1 group I member 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions as a receptor for the secondary bile acid lithocholic acid. The receptor belongs to the family of trans-acting transcriptional regulatory factors and shows sequence similarity to the steroid and thyroid hormone receptors. Downstream targets of this nuclear hormone receptor are principally involved in mineral metabolism though the receptor regulates a variety of other metabolic pathways, such as those involved in the immune response and cancer. Mutations in this gene are associated with type II vitamin D-resistant rickets. A single nucleotide polymorphism in the initiation codon results in an alternate translation start site three codons downstream. Alternative splicing results in multiple transcript variants encoding different proteins.

Recommended Dilution

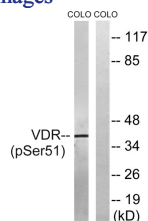
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

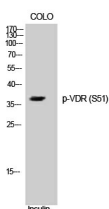
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western Blot analysis of COLO cells using Phospho-VDR (S51) Polyclonal Antibody



Western blot analysis of lysates from COLO205 cells treated with Insulin 0.01U/ml 15', using Vitamin D3 Receptor (Phospho-Ser51) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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