

## VDR polyclonal antibody

Catalog: BS91429

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The active metabolite of vitamin D modulates the expression of a wide variety of genes in a developmentally specific manner. This secosteroid hormone can up- or down-regulate the expression of genes involved in a diverse array of responses such as proliferation, differentiation and calcium homeostasis. 1,25-(OH)<sub>2</sub>-vitamin D<sub>3</sub> exerts its effects through interaction with the vitamin D receptor (VDR), a member of the superfamily of hormone-activated nuclear receptors. In its ligand-bound state, the VDR forms heterodimers with the 9-cis retinoic acid receptor, RXR, and affects gene expression by binding specific DNA sequences known as hormone response elements, or HREs. In addition to regulating the above-mentioned cellular responses, 1,25-(OH)<sub>2</sub>-vitamin D<sub>3</sub> exhibits antiproliferative properties in osteosarcoma, melanoma, colon carcinoma and breast carcinoma cells.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

48 kDa

### Swiss-Prot:

P11473(Human) P48281(Mouse) P13053(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

FC:1:50-1:100

### Storage&Stability:

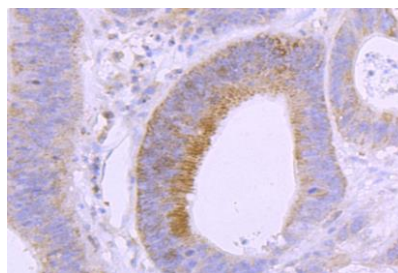
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

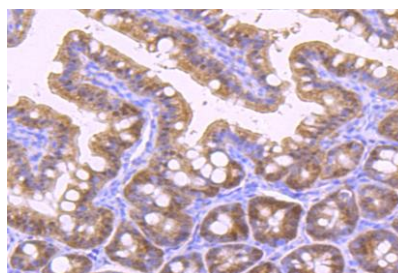
### Specificity:

VDR polyclonal antibody detects endogenous levels of VDR protein.

### DATA:



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti- Vitamin D Receptor antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti- Vitamin D Receptor antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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