VDR polyclonal antibody

Catalog: BS91430 Host: Rabbit Reactivity: Human, 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)2-vitamin D3 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)2-vitamin D3 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) P13053(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

FC:1:50-1:100

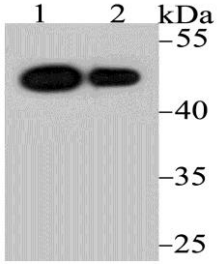
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

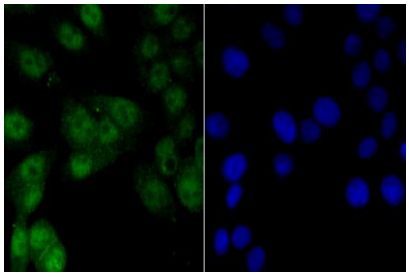
Specificity:

VDR polyclonal antibody detects endogenous levels of VDR protein.

DATA:



Western blot analysis of Vitamin D Receptor on different cell lysate using anti-Vitamin D Receptor antibody at 1/2,000 dilution. Positive control： Lane1: U937 Lane2: SK-Br-3



ICC staining Vitamin D Receptor in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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