
anti-VDR

Cat #: HM1392
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

APPLICATIONS

The Vitamin D receptor (VDR) is a member of the steroid receptor superfamily that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate hormone. Other steroid hormone receptors include estrogen, progesterone, glucocorticoid, androgen, and thyroid hormone receptors. VDR is expressed in the intestine, bone, kidney, epidermis, and cells of the endocrine immune system. After binding its ligand, 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. VDR modulates the expression of a wide variety of genes that modulates calcium and phosphorus homeostasis, bone remodeling, cell growth regulation, and differentiation. In addition 1,25-(OH)₂-vitamin D₃ has antiproliferative properties in osteosarcoma, melanoma, colon carcinoma and breast carcinoma cells.

SPECIFICITY

This antibody specifically recognizes VDR of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

Recombinant protein corresponding to the c-terminus of human vitamin D receptor (VDR).

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCES

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