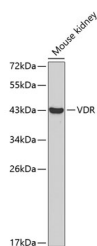


## VDR Polyclonal Antibody

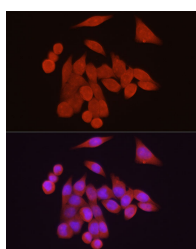
<b>Catalog No.</b>	E-AB-60676	<b>Reactivity</b>	H,M
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IF	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

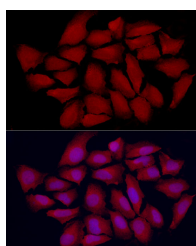
### Images



Western blot analysis of extracts of various cell lines using VDR Polyclonal Antibody at 1:1000 dilution.



Immunofluorescence analysis of HeLa cells using VDR Polyclonal Antibody at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using VDR Polyclonal antibody at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human VDR
<b>GeneID</b>	7421
<b>Swissprot</b>	P11473
<b>Synonyms</b>	VDR,NR1I1,PPP1R163

### Product Information

<b>Calculated MW</b>	48kDa/53kDa
<b>Observed MW</b>	48kDa/50kDa
<b>Buffer</b>	PBS with 0.05% proclin300,50% glycerol,pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000,IF 1:50-1:200

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.