

## Anti-VDR Rabbit pAb



WL03312

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

|                            |                                                                                                                                                                                                       |               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Product name</b>        | Anti-VDR Rabbit pAb                                                                                                                                                                                   |               |
| <b>Source</b>              | Rabbit                                                                                                                                                                                                |               |
| <b>Species reactivity</b>  | Mouse, Rat                                                                                                                                                                                            |               |
| <b>Tested applications</b> | Western blot                                                                                                                                                                                          | 1:1000-1:2000 |
|                            | <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i> |               |
| <b>Molecular Wt.</b>       | 51 kDa                                                                                                                                                                                                |               |
| <b>Pack size</b>           | 50/100/200/500/1000µl                                                                                                                                                                                 |               |
| <b>Storage</b>             | Store at -20°C. <b>Avoid freeze/thaw cycles.</b>                                                                                                                                                      |               |
| <b>Storage buffer</b>      | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide                                                                                       |               |

## General Information

**Background**

The vitamin D3 receptor (VDR/NR1I1) functions as a receptor for the secondary bile acid lithocholic acid. The VDR 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. In the case of colon cancer, research indicates that VDR expression is relatively higher in hyperplastic colon polyps and during early tumorigenesis but diminishes in later stage, poorly differentiated tumors.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of VDR.

**Purification**

Polyclonal antibody was purified by Protein A affinity chromatography.

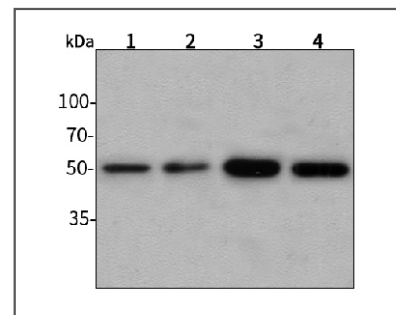
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## Product Images



## Western blot-Anti-VDR pAb

Lane 1: Mouse kidney tissue lysate 30µg

Lane 2: Mouse liver tissue lysate 30µg

Lane 3: Rat heart tissue lysate 30µg

Lane 4: Rat brain tissue lysate 30µg

Separation gel: 10% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Detection: ECL, 30s-2min