

Vitamin D Receptor Ab

[References\(1\)](#) [Images\(2\)](#)

Cat.#: DF6917
Size:

Concn.: ~1mg/ml
Source: Rabbit

Mol.Wt.: 48kDa
Clonality: Polyclonal

Application:

WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
*The optimal dilutions should be determined by the end user.

Reactivity:

Human,Mouse,Rat

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

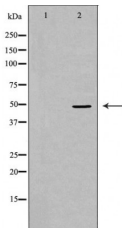
A synthesized peptide derived from human Vitamin D Receptor, corresponding to a region within the internal amino acids.

Uniprot:

P11473

Description:

The vitamin D receptor (VDR), also known as the calcitriol receptor, and also known as NR1H1 (nuclear receptor subfamily 1, group I, member 1), is a member of the nuclear receptor family of transcription factors. Upon activation by vitamin D, the VDR forms a heterodimer with the retinoid-X receptor and binds to hormone response elements on DNA resulting in expression or trans-repression of specific gene products. It is an intracellular hormone receptor that specifically binds 1,25(OH)2D3 and mediates its effects. 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.



Western blot analysis of extracts from T-47D, using VDR Ab. The lane on the left was treated with the antigen-specific peptide.



DF6917 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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