

A23289

Leader in Biomolecular Solutions for Life Science



## VDR Rabbit mAb

Catalog No.: A23289

Recombinant

### Basic Information

#### Observed MW

48kDa/54kDa

#### Calculated MW

48kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IHC-P,IF/ICC,IP,ChIP,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC60266

### Background

This gene encodes vitamin D3 receptor, which is a member of the nuclear hormone receptor superfamily of ligand-inducible transcription factors. This receptor also functions as a receptor for the secondary bile acid, lithocholic acid. Downstream targets of vitamin D3 receptor are principally involved in mineral metabolism, though this receptor regulates a variety of other metabolic pathways, such as those involved in 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.

### Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:100 - 1:500

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

ChIP 5µg antibody for  
5µg-10µg of Chromatin

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Immunogen Information

#### Gene ID

7421

#### Swiss Prot

P11473

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VDR(NP\_000367.1).

#### Synonyms

NR1I1; PPP1R163; VDR

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

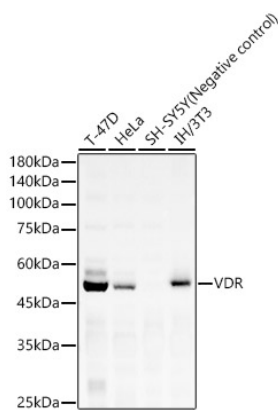
Affinity purification

#### Storage

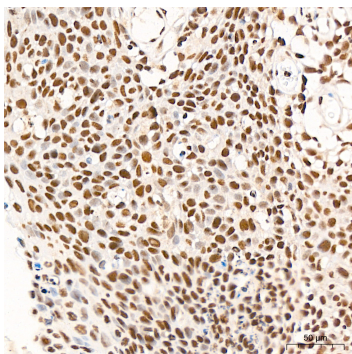
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

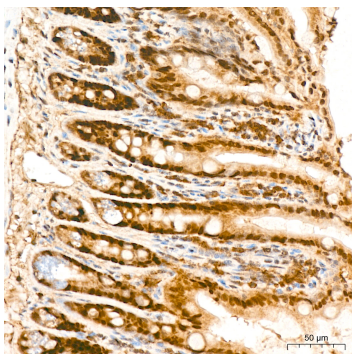
Validation Data



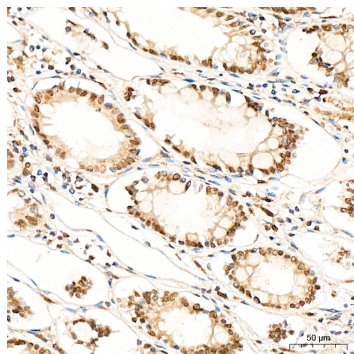
Western blot analysis of various lysates, using VDR Rabbit mAb (A23289) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



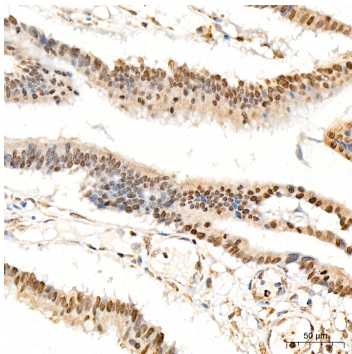
Immunohistochemistry analysis of VDR in paraffin-embedded human cervix cancer tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



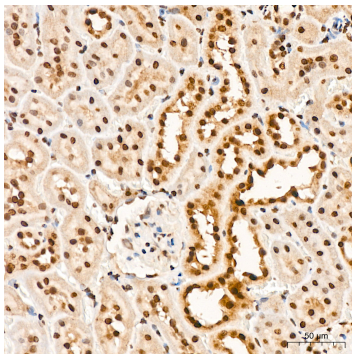
Immunohistochemistry analysis of VDR in paraffin-embedded mouse colon tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



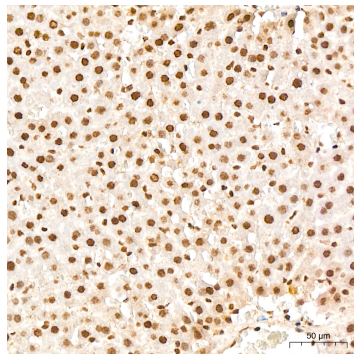
Immunohistochemistry analysis of VDR in paraffin-embedded human colon tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of VDR in paraffin-embedded human colon carcinoma tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

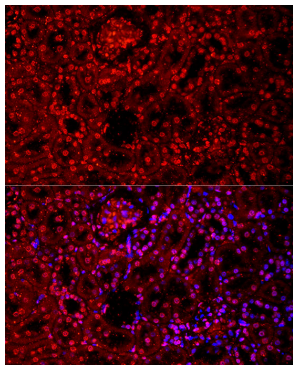


Immunohistochemistry analysis of VDR in paraffin-embedded rat kidney tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

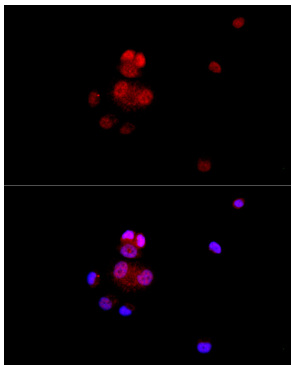


Immunohistochemistry analysis of VDR in paraffin-embedded rat liver tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

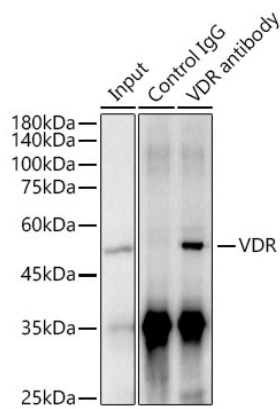
Validation Data



Immunofluorescence analysis of paraffin-embedded rat kidney using VDR Rabbit mAb (A23289) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of T-47D cells using VDR Rabbit mAb (A23289) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg VDR Rabbit mAb (A23289). Western blot was performed from the immunoprecipitate using VDR Rabbit mAb (A23289) at a dilution of 1:1000.