

VDR Rabbit mAb

Catalog No.: A23289 **Recombinant**

Basic Information

Observed MW

48kDa/54kDa

Calculated MW

48kDa

Category

Primary antibody

Applications

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

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

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

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

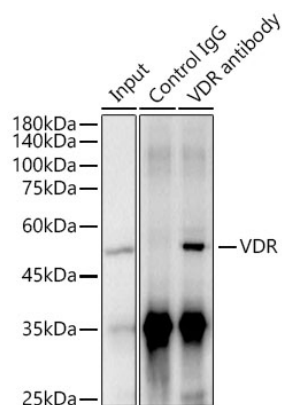
Affinity purification

Storage

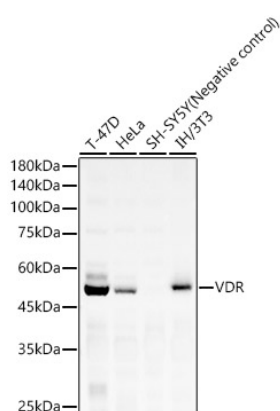
Store at -20°C. Avoid freeze / thaw cycles.

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

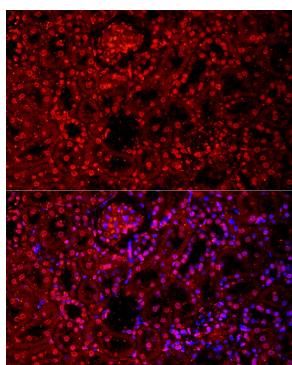
Validation Data



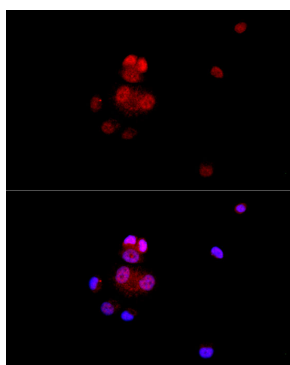
Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg VDR Rabbit mAb (A23289). Western blot was performed from the immunoprecipitate using VDR Rabbit mAb (A23289) at a dilution of 1:1000.



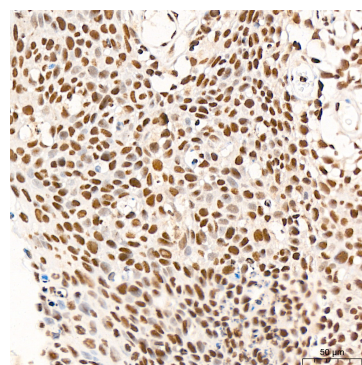
Western blot analysis of various lysates, using VDR Rabbit mAb (A23289) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



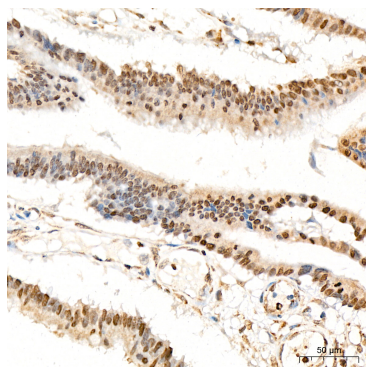
Immunofluorescence analysis of paraffin-embedded rat kidney using VDR Rabbit mAb (A23289) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



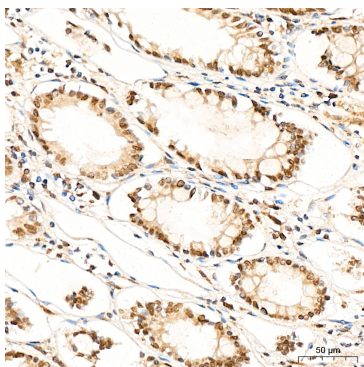
Immunofluorescence analysis of T-47D cells using VDR Rabbit mAb (A23289) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



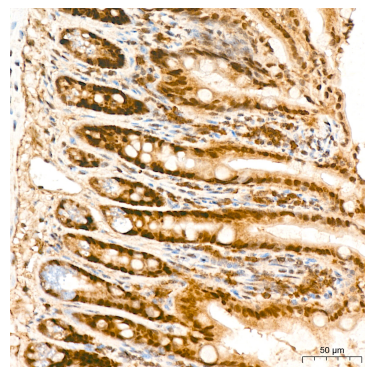
Immunohistochemistry analysis of VDR in paraffin-embedded human cervix cancer tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



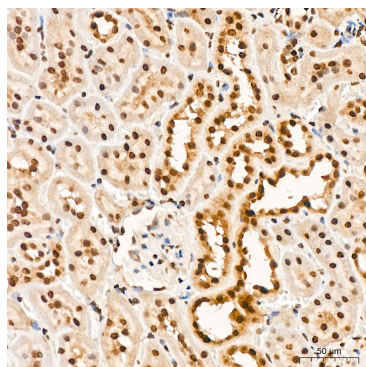
Immunohistochemistry analysis of VDR in paraffin-embedded human colon carcinoma tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



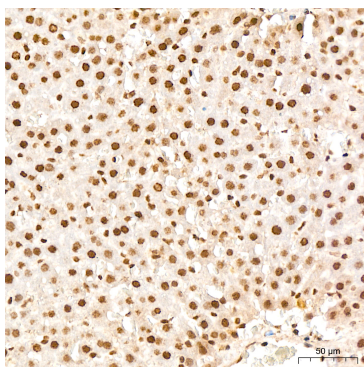
Immunohistochemistry analysis of VDR in paraffin-embedded human colon tissue using VDR Rabbit mAb (A23289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of VDR in paraffin-embedded 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 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.