

**Vitamin D3 Receptor Rabbit mAb**  
Catalog # AP77660**Specification****Vitamin D3 Receptor Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P11473</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	48289

**Vitamin D3 Receptor Rabbit mAb - Additional Information**

Gene ID 7421

**Other Names**

VDR

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**Vitamin D3 Receptor Rabbit mAb - Protein Information**Name VDR ([HGNC:12679](#))

Synonyms NR111

**Function**

Nuclear receptor for calcitriol, the active form of vitamin D3 which mediates the action of this vitamin on cells (PubMed:[10678179](http://www.uniprot.org/citations/10678179)), PubMed:[15728261](http://www.uniprot.org/citations/15728261)), PubMed:[16913708](http://www.uniprot.org/citations/16913708)), PubMed:[28698609](http://www.uniprot.org/citations/28698609)), PubMed:[37478846](http://www.uniprot.org/citations/37478846)). Enters the nucleus upon vitamin D3 binding where it forms heterodimers with the retinoid X receptor/RXR (PubMed:[28698609](http://www.uniprot.org/citations/28698609)). The VDR-RXR heterodimers bind to specific response elements on DNA and activate the transcription of vitamin D3-responsive target genes (PubMed:[28698609](http://www.uniprot.org/citations/28698609)). Plays a central role in calcium homeostasis (By similarity). Also functions as a receptor for the secondary bile acid lithocholic acid (LCA) and its metabolites (PubMed:[12016314](http://www.uniprot.org/citations/12016314)), PubMed:[32354638](http://www.uniprot.org/citations/32354638)).

### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:12145331, ECO:0000269|PubMed:16207705, ECO:0000269|PubMed:28698609}. Cytoplasm Note=Localizes mainly to the nucleus (PubMed:12145331, PubMed:28698609). Translocated into the nucleus via both ligand- dependent and ligand-independent pathways; ligand-independent nuclear translocation is mediated by IPO4 (PubMed:16207705)

### Vitamin D3 Receptor Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Vitamin D3 Receptor Rabbit mAb - Images

