

VDR Monoclonal Antibody (9A7)

Product Details

Size	100 µg
Species Reactivity	Human, Many, Mouse, Rat
Published Species	Dog, Avian, Rat, Non-human primate, Hamster, Human, Mouse, Chicken
Host/Isotope	Rat / IgG2b
Class	Monoclonal
Type	Antibody
Clone	9A7
Conjugate	Unconjugated
Immunogen	Partially purified chicken intestinal cytoplasmic 1,25-(OH) ₂ D ₃ receptor protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_326366

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	Assay dependent	3 Publications
Gel Shift (GS)	Assay dependent	8 Publications
Immunocytochemistry (ICC)	1:10-1:100	6 Publications
Immunofluorescence (IF)	1:10-1:100	2 Publications
Immunoprecipitation (IP)	Assay dependent	3 Publications
Western Blot (WB)	1 µg/mL	40 Publications
Flow Cytometry (Flow)	-	1 Publication
Immunohistochemistry (IHC)	-	23 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications

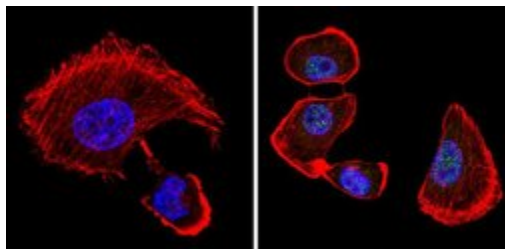
Product Specific Information

MA1-710 detects vitamin D receptor (VDR) from human, rat, mouse, hamster, chicken, amphibian, and fish tissues. This antibody does not cross-react with estrogen or glucocorticoid receptors. MA1-710 detects both the occupied and unoccupied forms of the receptor.

MA1-710 has been successfully used in Western blot, IF, ICC, IP, ChIP, and gel shift procedures. By Western blot, this antibody detects a 58 kDa and 60 kDa protein representing VDR in avians while the VDRs of mammalian species appear as single bands within the 52-55 kDa range.

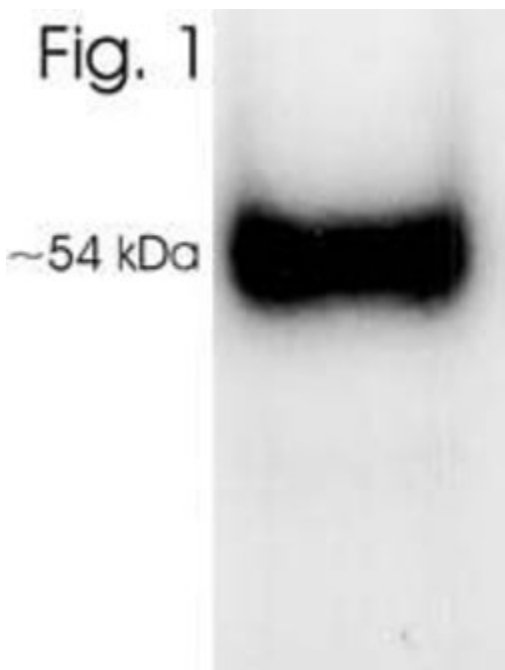
The MA1-710 immunogen is partially purified chicken intestinal cytoplasmic 1,25-(OH)₂D₃ receptor protein. This antibody recognizes an epitope between amino acid residues 89 and 105 of human VDR. This region is just C-terminal to the DNA binding domain of the VDR.

Product Images For VDR Monoclonal Antibody (9A7)



VDR Antibody (MA1-710) in IF

Immunofluorescent analysis of Vitamin D Receptor (green) showing staining in the nucleus of U251 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Vitamin D Receptor monoclonal antibody (Product # MA1-710) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. Nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



VDR Antibody (MA1-710) in WB

Western blot of VDR in human skin fibroblast extract using Product # MA1-710.

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Western Blot (40)

BioMed research international

Active Vitamin D and Vitamin D Receptor Help Prevent High Glucose Induced Oxidative Stress of Renal Tubular Cells via AKT/UCP2 Signaling Pathway.

"MA1-710 was used in Western Blotting to test the hypothesis that active vitamin D is able to up-regulate AKT/UCP2 signaling to alleviate oxidative stress of renal tubular cell line HK2."

Authors: Zhu X,Wu S,Guo H

Species
Human

Dilution
1:1,000

Year
2019

Clinical epigenetics

LSD1 dual function in mediating epigenetic corruption of the vitamin D signaling in prostate cancer.

"Published figure using VDR monoclonal antibody (Product # MA1-710) in Immunofluorescence"

Authors: Battaglia S,Karasik E,Gillard B,Williams J,Winchester T,Moser MT,Smiraglia DJ,Foster BA

Species
Human

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

Immunohistochemistry (Paraffin) (2)

Neoplasia (New York, N.Y.)

Preclinical Prevention Trial of Calcitriol: Impact of Stage of Intervention and Duration of Treatment on Oral Carcinogenesis.

"MA1-710 was used in Immunohistochemistry on paraffin embedded tissues to investigate the chemopreventive potential of calcitriol against the spectrum of oral carcinogenesis."

Authors: Vincent-Chong VK,DeJong H,Attwood K,Hershberger PA,Seshadri M

Species
Mouse

Dilution
1:500

Year
2019

Cancer prevention research (Philadelphia, Pa.)

Impact of Short-term 1,25-Dihydroxyvitamin D3 on the Chemopreventive Efficacy of Erlotinib against Oral Cancer.

"MA1-710 was used in immunohistochemistry - paraffin section to assess the impact of 1,25(OH)2D3 on the chemopreventive efficacy of erlotinib against head and neck squamous cell carcinomas."

Authors: Bothwell KD,Shaurova T,Merzianu M,Suresh A,Kuriakose MA,Johnson CS,Hershberger PA,Seshadri M

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2015

More applications with references on thermofisher.com

- IF (2)
- IHC (23)
- ChIP (3)
- ICC (6)
- IP (3)
- GS (8)
- Flow (1)

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