

DATASHEET

VDR (Phospho-S208) Rabbit Polyclonal Antibody

CAT. NO. APA09586

KEY FEATURES

Target	VDR (Phospho-S208)	Source / Host	Rabbit
Reactivity	Human, Monkey	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Nuclear receptor for calcitriol, the active form of vitamin D3 which mediates the action of this vitamin on cells . Enters the nucleus upon vitamin D3 binding where it forms heterodimers with the retinoid X receptor/RXR . The VDR-RXR heterodimers bind to specific response elements on DNA and activate the transcription of vitamin D3-responsive target genes . Plays a central role in calcium homeostasis . Also functions as a receptor for the secondary bile acid lithocholic acid (LCA) and its metabolites .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to VDR (Phospho-S208)
Specificity	Recognizes endogenous levels of VDR protein only when phosphorylated at S208.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S208 of human VDR protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 48 kD; Observed: 43 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NR1I1; Vitamin D3 receptor; VDR; 1,25-dihydroxyvitamin D3 receptor; Nuclear receptor subfamily 1 group I member 1
Gene Symbol	VDR
Entrez Gene	7421(Human); 22337(Mouse); 24873(Rat)
SwissProt	P11473(Human); P48281(Mouse); P13053(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

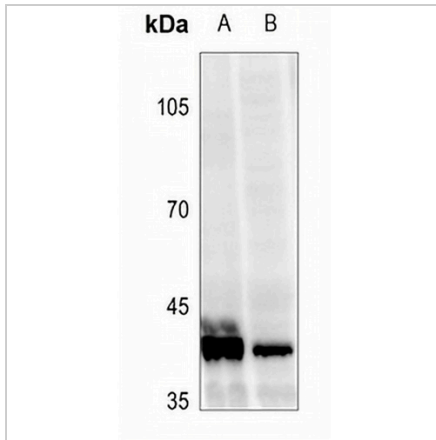
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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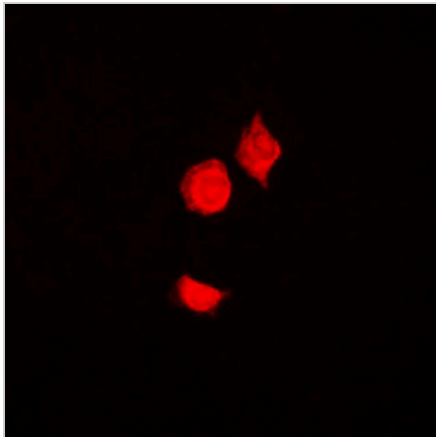
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Western blot analysis of VDR (Phospho-S208) expression in HCT116 (A), HEK293T (B) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 43 kD)



Immunofluorescent analysis of VDR (Phospho-S208) staining in HepG2 cells. 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 the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.