

Datasheet: AHP1093

BATCH NUMBER 170421

Description:	GOAT ANTI HUMAN VITAMIN D RECEPTOR
Specificity:	VITAMIN D RECEPTOR
Other names:	VDR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/16,000
Immunoprecipitation			▪	
Western Blotting	▪			0.3 - 1.0ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat, Mouse

Based on sequence similarity, is expected to react with: Dog

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human Vitamin D receptor were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity

chromatography.

Buffer Solution	TRIS buffered saline
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Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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Immunogen	Peptide sequence CGNQDYKYRVSD corresponding to the internal region of Vitamin D receptor (NP_000367.1).
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External Database Links	UniProt: P11473 Related reagents
	Entrez Gene: 7421 VDR Related reagents

Synonyms	NR111
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RRID	AB_2212487
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Specificity	Goat anti Human Vitamin D Receptor antibody recognises human vitamin D nuclear hormone receptor (VDR) a ~48 kDa member of the trans-acting transcriptional regulatory factors. On binding vitamin D, VDR regulates the expression of hormone sensitive genes. The main downstream target of VDR is involved in bone mineral metabolism although VDR is also involved in immune response and cancer metabolic pathways. VDR also acts as a receptor for secondary bile acid lithocholic acid. Additionally, signalling and oncogenic activity of beta-catenin signalling has been shown to be repressed by VDR (Shah <i>et al.</i> 2006).
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Western Blotting	AHP1093 detects a band of approximately 40-45kDa in human brain cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.
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References	1. Cheng, H.T. <i>et al.</i> (2006) Functional role of VDR in the activation of p27Kip1 by the VDR/Sp1 complex. J Cell Biochem. 98 (6): 1450-6.
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Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1093>
10058

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M363808:200529'

Printed on 12 Aug 2023

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