

Datasheet: AHP1093

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.
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
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence CGNQDYKYRVSD corresponding to the internal region of Vitamin D receptor

(NP_000367.1).

External Database**Links****UniProt:**

[P11473](#) [Related reagents](#)

Entrez Gene:

[7421](#) VDR [Related reagents](#)

Synonyms

NR111

RRID

AB_2212487

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 et al. 2006](#)).

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.

References

1. Cheng, H.T. *et al.* (2006) Functional role of VDR in the activation of p27Kip1 by the VDR/Sp1 complex. [J Cell Biochem. 98 \(6\): 1450-6.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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