

Name: Purified Goat Polyclonal Antibody against VDR
Product Data Sheet

Catalog: TA303037

Gene Name: Homo sapiens vitamin D (1,25- dihydroxyvitamin D3) receptor (VDR), transcript variant 1

GeneBank accession: NM_000376
Isotype: Goat IgG

Gene Synonym: NR111; vitamin D (1,25-dihydroxyvitamin D3) receptor; vitamin D (1,25- dihydroxyvitamin D3) receptor

Validation Data:

Western Blot

Reactivity: Human

Immunogen: Peptide with sequence CGNQDYKYRVSD, from the internal region of the protein sequence according to NP_000367.1; NP_001017535.1.

Components:

- 100 ug Purified Goat Polyclonal Antibody against VDR (TA303037)
- 1 vial of 20µg myc-DDK tagged VDR HEK293T over-expression lysate lyophilized in RIPA buffer (LY424760) (Reconstitute into 20 µl of 1x SDS sample buffer before loading)

Concentration: 0.5 mg/ml

Recommended application dilutions:

Peptide ELISA: antibody detection limit dilution 1:16,000.
 Western blot recommended concentration: 0.3-1.0µg/ml.

Storage Condition:

Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

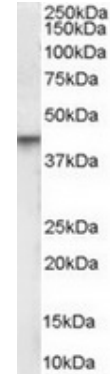
Buffer:

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Background:

This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions as a receptor for the secondary bile acid lithocholic acid. The receptor belongs to the family of trans-acting transcriptional regulatory factors and shows sequence similarity to the steroid and thyroid hormone receptors. Downstream targets of this nuclear hormone receptor are principally involved in mineral metabolism though the receptor regulates a variety of other metabolic pathways, such as those involved in the immune response and cancer. Mutations in this gene are associated with type II vitamin D-resistant rickets. A single nucleotide polymorphism in the initiation codon results in an alternate translation start site three codons downstream. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq].



TA303037 (0.3µg/ml) staining of human brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Related Product:

TrueORF cDNA clones
 VERIFY Tagged Antigen lysates
 HuSH-29 shRNA
 Western Blot reagents
 Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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