

Anti human VDR mouse monoclonal antibody

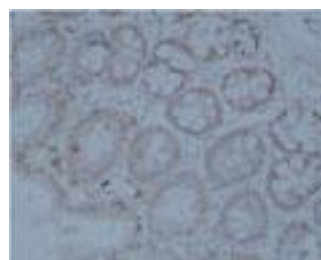
VDR: Vitamine D Receptor

Code No	PP-H4537-00 old No. 2ZH4537H
Clone No.	H4537
Lot.	A-1
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Vitamin D receptor (VDR; NR1I1) is a member of steroid receptor related to the PXR and CARs. The natural ligand of VDR is 1, 25 di-hydroxyvitamin D3. VDR is expressed in osteoblasts, osteocytes, osteoclasts, bone, bone marrow, thymus and small intestine. VDR plays critical roles in calcium homeostasis, bone development and mineralization, as well as control of cell growth and differentiation. RXRs are the major partners for VDR since by heterodimerizing with VDR they increase their DNA-binding affinity and select the correct spacing of direct repeat elements.
Nomenclature	NR1I1
Genbank	J03258
Origin	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant humanVDR (91-210 aa) .
Specificity	This antibody specifically recognizes human VDR and cross reacts with mouse and rat VDR.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	1 ug/mL
Non reducing Western Blot	Not yet tested
ELISA	0.1 ug/mL (A450=0.2)
Immunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	20-40 ug/mL



Rat Large intestine
Epithelial cell
paraffin section



Rat
Hair follicle
paraffin section

Storage	Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.
Reference	Jae Mi Suh, <i>et al.</i> Mol Endocrinol, Dec. 2006, 20(12): 3412-3420 Jun Qin, <i>et al.</i> Developmental Dynamics, 2007, 236: 810-820
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

Apr 10, 2007

Distributed by

SCETI SCETI K.K.

3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013, Japan
Tel +81(3) 5510-2347 Fax +81(3) 5510-0133
URL: <http://www.sceti.co.jp/export/> e-mail: exp-pet@sceti.co.jp

Manufactured by

PPMX
PERSEUS PROTEOMICS

Perseus Proteomics Inc.

4-7-6 Komaba, Meguro-ku, Tokyo 153-0041, Japan
URL: <http://www.ppmx.com>