Anti human VDR mouse monoclonal antibody

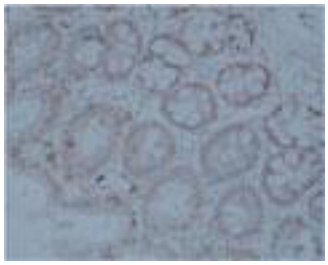
VDR: Vitamine D Receptor

Code No	PP-H4537-00
Clone No.	H4537
Lot.	***
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% NaN3 as a preservative.

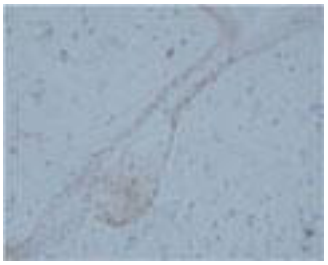
Application / Recommended Concentration

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 ºC 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, *et al.* Mol Endocrinol, Dec. 2006, 20(12): 3412 -3420 Jun Qin, *et al.* Developmemtal 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.

MADE IN JAPAN

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