

Anti-Vitamin D Receptor/VDR Antibody (5I578)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5I578
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: MCF-7 whole cell lysate, THP-1 whole cell lysate, HL-60 whole cell lysate-All lanes: Vitamin D antibody at 1:1000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 49, 54 kDa <p>-Observed band size: 49 kDa</p> <p>2. IHC image of TMAH-01244 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p>
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Vitamin D Receptor
Antigen Species:	Human
Gene ID:	7421
Uniprot ID:	P11473
Synonyms:	vitamin D (1,25- dihydroxyvitamin D3) receptor;PPP1R163;NR111
Biology Area:	Epigenetics and Nuclear Signaling, Cancer, Signal transduction

Research Background

Nuclear receptor for calcitriol, the active form of vitamin D3 which mediates the action of this vitamin on cells. Enters the nucleus upon vitamin D3 binding where it forms heterodimers with the retinoid X receptor/RXR. The VDR-RXR

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heterodimers bind to specific response elements on DNA and activate the transcription of vitamin D3-responsive target genes. Plays a central role in calcium homeostasis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481