Data Sheet (Cat.No.TMAB-01970)

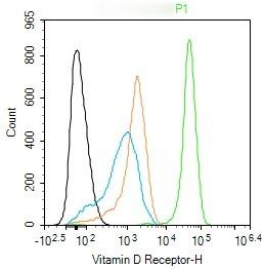
Anti-Vitamin D Receptor/VDR Polyclonal Antibody

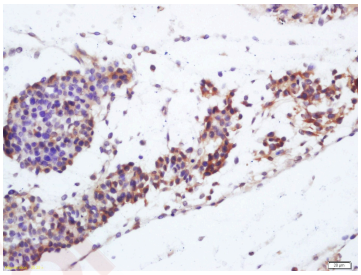
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 47 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Blank control: U937. Primary Antibody (green line): Rabbit Anti-Vitamin D Receptor antibody (TMAB-01970) Dilution: 1 μg/Test; Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5 μg/Test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. 2. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Vitamin D Receptor Polyclonal Antibody, Unconjugated (TMAB-01970) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.





Application:	FCM,IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/Test

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: KLH conjugated synthetic peptide: human Vitamin D Receptor

Antigen Species: Human

Gene ID: 7421

Uniprot ID: P11473

Synonyms: NR1I1;vitamin D (1,25- dihydroxyvitamin D3) receptor;PPP1R163

Biology Area: Vitamin D Receptor,Zinc Finger,Vitamin D Receptor,Nuclear hormone receptors

Research Background

Nuclear hormone receptor. Transcription factor that mediates the action of vitamin D3 by controlling the expression of hormone sensitive genes. Regulates transcription of hormone sensitive genes via its association with the WINAC complex, a chromatin-remodeling complex. Recruited to promoters via its interaction with the WINAC complex subunit BAZ1B/WSTF, which mediates the interaction with acetylated histones, an essential step for VDR-promoter association. Plays a central role in calcium homeostasis.

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