Data Sheet (Cat.No.TMAB-01971)

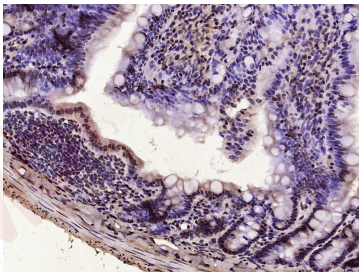
Anti-Vitamin D Receptor/VDR Polyclonal Antibody 2

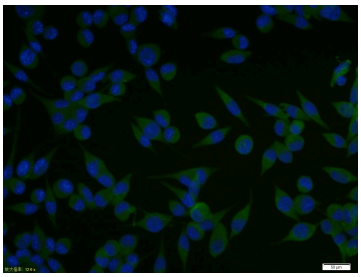
Product Details

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

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Rat small intestine); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30 min; Antibody incubation with (Vitamin D Receptor) Polyclonal Antibody, Unconjugated (TMAB-01971) at 1:400 overnight at 4° C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining. 2. A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (Vitamin D Receptor) polyclonal Antibody, Unconjugated (TMAB-01971) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.





Application:	ICC/IF,IF,IHC-Fr,IHC-P
Recommended	ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

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