

## Vitamin D-binding protein Polyclonal Antibody

Catalog No: #42490

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

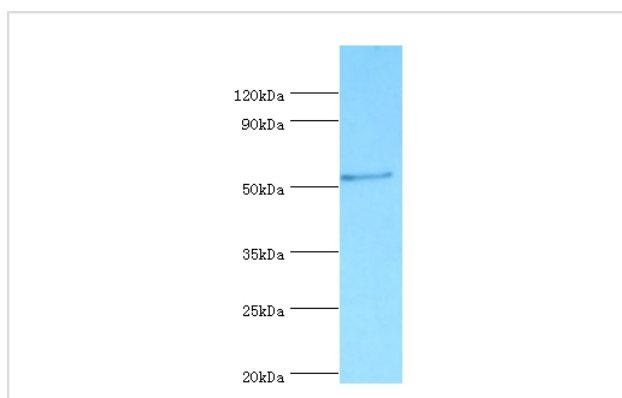
Product Name	Vitamin D-binding protein Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Vitamin D-binding protein polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Vitamin D-binding protein
Target Name	Vitamin D-binding protein
Other Names	Gc-globulin, Group-specific component, GC
Accession No.	Swiss-Prot#: P02774
Uniprot	P02774
GeneID	2638;
Calculated MW	53kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

## Application Details

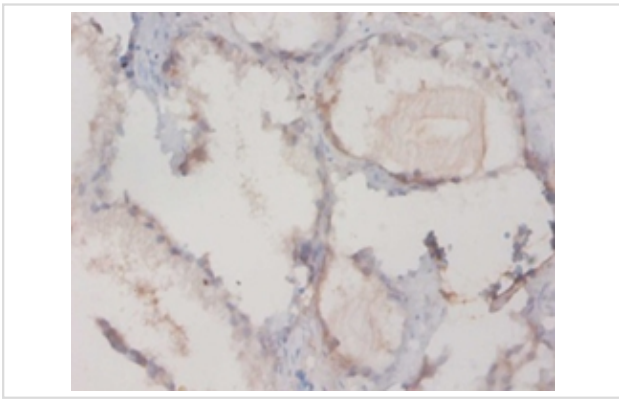
Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

## Images



All lanes: Vitamin D-binding protein antibody at 2ug/ml+A549 whole cell lysate secondary  
Goat polyclonal to rabbit at 1/10000 dilution  
predicted band size :53kDa  
observed band size :53kDa



Immunohistochemical analysis of paraffin-embedded human prostate using #42490 at dilution of 1:20.

## Background

Multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid, and urine and on the surface of many cell types. In plasma, it carries the vitamin D sterols and prevents polymerization of actin by binding its monomers. DBP associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes.

## References

- [1] Serum vitamin D-binding protein is a third member of the albumin and alpha fetoprotein gene family. Cooke N.E., David E.V.J. Clin. Invest. 76:2420-2424(1985) [2] Human group-specific component (Gc) is a member of the albumin family. Yang F., Brune J.

Note: This product is for in vitro research use only