

# Goat Anti-Vitamin D-binding protein / GC Antibody

Peptide-affinity purified goat antibody Catalog # AF2147a

### **Specification**

## Goat Anti-Vitamin D-binding protein / GC Antibody - Product Information

Application WB, E
Primary Accession P02774

Other Accession NP\_000574, 2638

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
100ug/200ul
Isotype
IgG

Isotype IgG
Calculated MW 52918

## Goat Anti-Vitamin D-binding protein / GC Antibody - Additional Information

#### **Gene ID 2638**

#### **Other Names**

Vitamin D-binding protein, DBP, VDB, Gc-globulin, Group-specific component, GC

#### **Dilution**

WB~~1:1000 E~~N/A

### **Format**

0.5~mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Goat Anti-Vitamin D-binding protein / GC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat Anti-Vitamin D-binding protein / GC Antibody - Protein Information

#### Name GC

## **Function**

Involved in vitamin D transport and storage, scavenging of extracellular G-actin, enhancement of the chemotactic activity of C5 alpha for neutrophils in inflammation and macrophage activation.



**Cellular Location** Secreted.

**Tissue Location** 

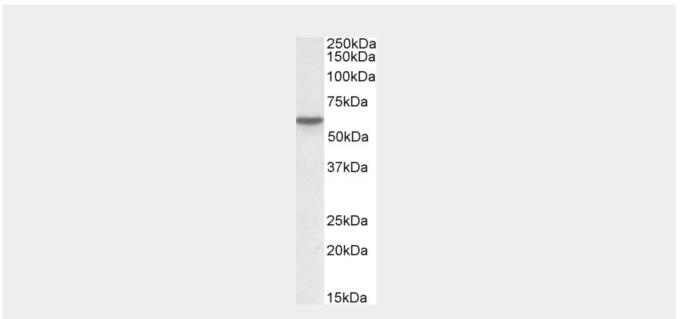
Expressed in the liver. Found in plasma, ascites, cerebrospinal fluid and urine.

### Goat Anti-Vitamin D-binding protein / GC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Goat Anti-Vitamin D-binding protein / GC Antibody - Images



AF2147a (0.03  $\mu$ g/ml) staining of Lung lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-Vitamin D-binding protein / GC Antibody - Background

The protein encoded by this gene belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues.

# Goat Anti-Vitamin D-binding protein / GC Antibody - References

Association of vitamin D binding protein variants with susceptibility to chronic obstructive pulmonary disease. Shen LH, et al. J Int Med Res, 2010 May-Jun. PMID 20819447. Vitamin D-binding protein polymorphisms are not associated with development of (multiple) basal cell carcinomas. Flohil SC, et al. Exp Dermatol, 2010 Aug 31. PMID 20812960. High-density polymorphisms analysis of 23 candidate genes for association with bone mineral





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density. Giroux S, et al. Bone, 2010 Jul 30. PMID 20654748.

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. Eur J Hum Genet, 2010 Jun 30. PMID 20588308.