

**Goat Anti-VCBP / GC (aa 18 - 30) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF2175a

### Specification

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#### Goat Anti-VCBP / GC (aa 18 - 30) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P02774</a>
Other Accession	<a href="#">NP_000574</a> , <a href="#">2638</a> , <a href="#">14473 (mouse)</a> , <a href="#">24384 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	52918

#### Goat Anti-VCBP / GC (aa 18 - 30) Antibody - Additional Information

**Gene ID** 2638

#### Other Names

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

#### Format

0.5 mg IgG/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-VCBP / GC (aa 18 - 30) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-VCBP / GC (aa 18 - 30) 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-VCBP / GC (aa 18 - 30) 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 Cytometry](#)
- [Cell Culture](#)

### Goat Anti-VCBP / GC (aa 18 - 30) Antibody - Images



AF2175a (1 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-VCBP / GC (aa 18 - 30) 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-VCBP / GC (aa 18 - 30) 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 density. Giroux S, et al. Bone, 2010 Jul 30. PMID 20654748.  
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-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.