

GC / Vitamin D-Binding Protein Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13630

Specification

GC / Vitamin D-Binding Protein Antibody - Product Information

Application	IHC
Primary Accession	P02774
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

GC / Vitamin D-Binding Protein Antibody - Additional Information

Gene ID 2638

Other Names

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

Target/Specificity

Recognizes Vitamin D binding protein (VDBP), the major carrier protein of vitamin D that also transports components such as fatty acids and endotoxins and has an important role in the actin scavenging system. VDBP is a 52-58 kD plasma protein syntheses ...

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

GC / Vitamin D-Binding Protein Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GC / Vitamin D-Binding Protein 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

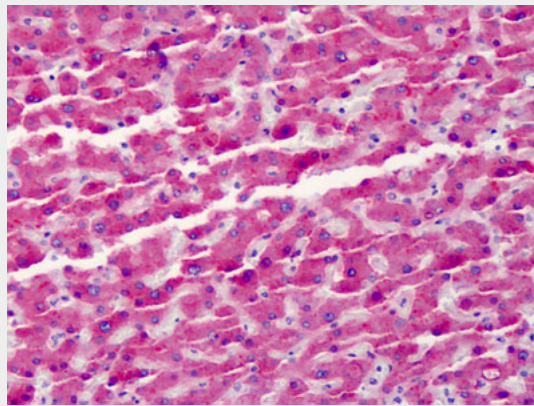
Expressed in the liver. Found in plasma, ascites, cerebrospinal fluid and urine.

GC / Vitamin D-Binding Protein 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](#)

GC / Vitamin D-Binding Protein Antibody - Images



Anti-GC / VDBP antibody IHC of human liver.

GC / Vitamin D-Binding Protein Antibody - 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.

GC / Vitamin D-Binding Protein Antibody - References

- Cooke N.E., et al. *J. Clin. Invest.* 76:2420-2424(1985).
Yang F., et al. *Proc. Natl. Acad. Sci. U.S.A.* 82:7994-7998(1985).
Braun A., et al. *Biochim. Biophys. Acta* 1216:385-394(1993).
Witke W.F., et al. *Genomics* 16:751-754(1993).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).