

GC / Vitamin D-Binding Protein Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17246**Specification**

GC / Vitamin D-Binding Protein Antibody - Product Information

Application	IHC-P, WB
Primary Accession	P02774
Other Accession	2638
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	52918

GC / Vitamin D-Binding Protein Antibody - Additional Information**Gene ID** 2638**Other Names**

GC, Gc-globulin, HDBP, Group-specific component, GRD3, VDB, VDBG, VDBP, Vitamin D-binding protein

Target/Specificity

Human GC / Vitamin D-Binding Protein

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

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.

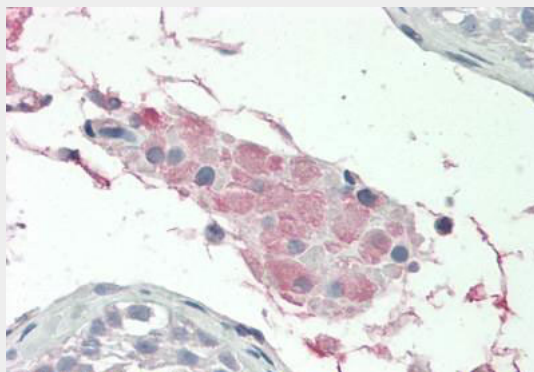
Volume
50 μ l

GC / Vitamin D-Binding Protein Antibody - Protocols

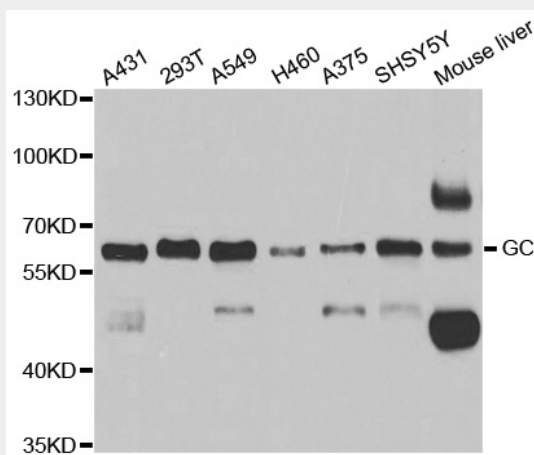
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GC / Vitamin D-Binding Protein Antibody - Images



Human Testis, Leydig Cells: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis of extracts of various cell lines, using GC antibody.

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

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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).
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