

Rabbit anti-Human GC Polyclonal Antibody | anti-GC antibody

GC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327341	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

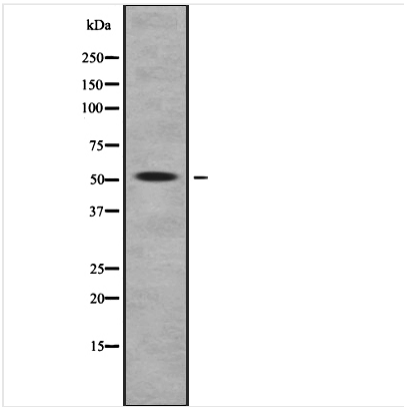
PRODUCT SYNONYMS

GC; Polyclonal Antibody; GC Antibody; DBP; DBP/GC; Gc globulin; Gc-globulin; GRD3; Group specific component; Group specific component vitamin D binding protein; Group-specific component; hDBP; VDB; VDBG; VDBP; Vitamin D binding alpha globulin; Vitamin D-binding protein; VTDB_HUMAN; anti-GC antibody

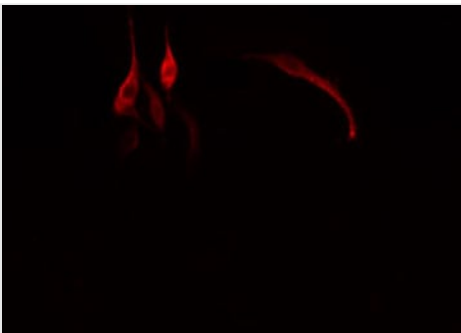
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GC antibody detects endogenous levels of total GC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	474
Applicable Applications for anti-GC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GC
Subcellular Location	Secreted.
Tissue Specificity	Expressed in the liver. Found in plasma, ascites, cerebrospinal fluid and urine.
Predicted Cross Reactivity	Bovine, Horse, Sheep
Similarity	Bovine (82%), Horse (91%), Sheep (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of GC using HeLa whole lysates.



IF (Immunofluorescence)
AAA327341 staining HuvEC cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GC antibody	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. Subunit Structure: Associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes. Interacts with LRP2; the interaction is required for renal uptake of GC in complex with 25-hydroxyvitamin D3 (By similarity). Post-translational Modifications: Allele GC*1S is O-glycosylated at Thr-436 (PubMed:20079467). The trisaccharide sugar moiety can be modified by the successive removal of neuraminic acid and galactose leaving an O-linked N-acetyl-galactosamine. This conversion is thought to produce a macrophage-activating factor (Gc-MAF). Only a minor proportion of plasma GC is O-glycosylated (PubMed:17360250). The potential N-glycosylation site predicted at Asn-288 is thought to be nonglycosylated. Similarity: Belongs to the ALB/AFP/VDB family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32483410
NCBI GeneID	2638
NCBI Accession #	NP_000574.2
NCBI GenBank Nucleotide #	NM_000583.3
UniProt Accession #	P02774; Q16309; Q16310; Q53F31; Q6GTG1; B4DPP2; D6RAK8
Molecular Weight	Observed: 53 kD Predicted: 53 kDa
NCBI Official Full Name	vitamin D-binding protein isoform 1
NCBI Official Synonym Full Names	GC, vitamin D binding protein
NCBI Official Symbol	GC
NCBI Official Synonym Symbols	DBP; VDB; GRD3; VDBG; VDBP; GcMAF; DBP/GC; Gc-MAF; DBP-maf; HEL-S-51
NCBI Protein Information	vitamin D-binding protein
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	GC
UniProt Synonym Gene Names	Gc-MAF; GcMAF1 PublicationManual assertion based on opinion iniRef.15; Gc1 PublicationManual assertion based on opinion iniRef.15; DBP-maf

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gc-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327341>