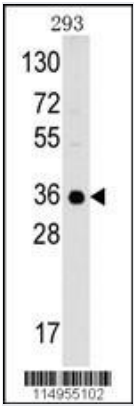
GC1qR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GC1qR, Polyclonal Antibody
Full Product Name	GC1qR, CT (Complement Component 1 Q Subcomponent-binding Protein Mitochondrial, Glycoprotein gC1qBP, C1qBP, GC1q-R Protein, GC1QBP, Hyaluronan-binding Protein 1, HABP1, Mitochondrial Matrix Protein p32, p33, SF2P32) (MaxLight 490)
Product Gene Name	anti-GC1qR antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human C1QBP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31,362 Da
OMIM	601269
3D Structure	ModBase 3D Structure for Q07021
Immunogen	Synthetic peptide selected from the C-terminal region of human C1QBP (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-GC1qR antibody	Antibodies; Complement
Applications Tested/Suitable for anti-GC1qR antibody	Western Blot (WB), FLISA
Application Notes for anti-GC1qR antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GC1qR antibody	MBS6477619 is an antibody targeting GC1qR. Also known as GC1qR, CT (Complement Component 1 Q Subcomponent-binding Protein Mitochondrial, Glycoprotein gC1qBP, C1qBP, GC1q-R Protein, GC1QBP, Hyaluronan-binding Protein 1, HABP1, Mitochondrial Matrix Protein p32, p33, SF2P32) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-GC1qR antibody	1. Biswas, A.K., PLoS Pathog. 3(9), 1271-1280 (2007). 2. Ghebrehiwet, B., Adv. Exp. Med. Biol. 598, 181-197 (2007). 3. Kitazawa, S., Histochem. Cell Biol. 126(6), 665-677 (2006).
Other Notes	Small volumes of anti-GC1qR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-GC1qR antibody
Western blot analysis of anti-C1QBP Antibody (C-term) in 293 cell line lysates (35ug/lane).
C1QBP(arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GC1qR. It may not necessarily be applicable to this product.

NCBI GI #	4502491
NCBI GeneID	708
NCBI Accession #	NP_001203
UniProt Primary Accession #	Q07021
UniProt Secondary Accession #	Q2HXR8; Q9NNY8
UniProt Related Accession #	Q07021
GenBank Nucleotide #	NM_001212.3
NCBI Official Full Name	complement component 1 Q subcomponent-binding protein, mitochondrial
NCBI Official Synonym Full Names	complement C1q binding protein
NCBI Official Symbol	C1QBP
NCBI Official Synonym Symbols	p32; HABP1; gC1qR; GC1QBP; SF2p32; gC1Q-R; COXPD33
UniProt Protein Name	Complement component 1 Q subcomponent-binding protein, mitochondrial
UniProt Synonym Protein Names	ASF/SF2-associated protein p32; Glycoprotein gC1qBP; C1qBP; Hyaluronan-binding protein 1; Mitochondrial matrix protein p32; gC1q-R protein; p33
UniProt Gene Name	C1QBP
UniProt Synonym Gene Names	GC1QBP; HABP1; SF2P32; C1qBP
UniProt Entry Name	C1QBP_HUMAN
NCBI Protein Information	complement component 1 Q subcomponent-binding protein, mitochondrial
NCBI Summary for GC1qR	The human complement subcomponent C1q associates with C1r and C1s in order to yield the first component of the serum complement system. The protein encoded by this gene is known to bind to the globular heads of C1q molecules and inhibit C1 activation. This protein has also been identified as the p32 subunit of pre-mRNA splicing factor SF2, as well as a hyaluronic acid-binding protein. [provided by RefSeq, Jul 2008]

UniProt Comments for GC1qR	C1QBP: a multifunctional and multicompartmental protein involved in inflammation and infection processes, ribosome biogenesis, regulation of apoptosis, transcriptional regulation and pre-mRNA splicing. Originally identified via its binding interactions with Splicing Factor (SF-2). Multiple, diverse binding partners of C1QBP were subsequently identified, including the globular heads of complement component C1q, hyaluronic acid, selected protein kinases, the tumor suppressor ARF, and multiple antigens of bacterial and viral origin. Overexpressed in a number of cancer cell types, and has been implicated in the Warburg effect, whereby cancer cells shift their metabolism from oxidative phosphorylation to glycolysis. Inhibits the Mitochondrial Permeability Transition (MPT) pore, possibly serving a protective function against damage from oxidative stress. Binding to C1q inhibits C1. In complex with cytokeratin-1/KRT1 is a high affinty receptor for kininogen-1/HMWK. The secreted form may enhance both extrinsic and intrinsic coagulation pathways. The cell surface form may require docking with transmembrane proteins for downstream signaling which might be specific for a cell-type or response. Belongs to the MAM33 family. Protein type: Motility/polarity/chemotaxis; Receptor, misc.; Nucleolus; Mitochondrial Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: extracellular space; cell surface; mitochondrion; membrane; mitochondrial matrix; cytoplasm; plasma membrane; nucleolus; cytosol; nucleus Molecular Function: mRNA binding; protein binding; adrenergic receptor binding; protein kinase C binding; complement component C1q binding; hyaluronic acid binding; kininogen binding; transcription factor binding; transcription corepressor activity Biological Process: negative regulation of interleukin-12 production; phosphoinositide 3-kinase cascade; positive regulation of cell adhesion; viral reproduction; transcription, DNA-dependent; apoptosis; positive regulation of apoptosis; RNA splicing; negative regulation of defense response to virus; negative regulation of transcription from RNA polymerase II promoter; positive regulation of protein kinase B signaling cascade; negative regulation of nuclear mRNA splicing, via spliceosome; negative regulation of interferon-gamma production; regulation of complement activation; innate immune response; immune response; blood coagulation; mRNA processing; blood coagulation, intrinsic pathway; complement activation, classical pathway; mature ribosome assembly
Research Articles on GC1qR	**1.** Hepatitis C virus core protein ligates gC1qR to induce A20 expression in macrophages via P38, JNK and NF-kappaB signaling pathways, which leads to a low-grade chronic inflammation during HCV infection.
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