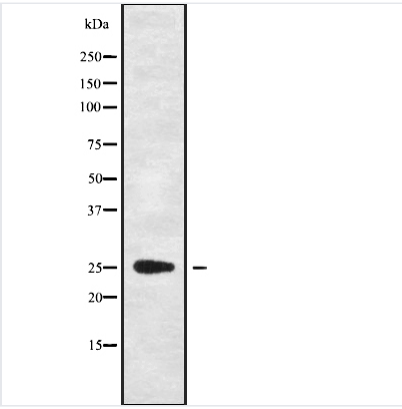
C1QL4 Antibody – Rabbit Polyclonal

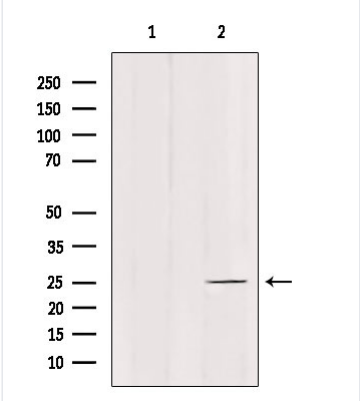
PRODUCT OVERVIEW

Product Name	C1QL4, Polyclonal Antibody
Full Product Name	C1QL4 Antibody
Product Gene Name	anti-C1QL4 antibody
Product Synonym Names	C1QL4; C1QL4_HUMAN; Complement C1q-like protein 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	C1QL4 antibody detects endogenous levels of total C1QL4
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	C1QL4 peptide (MBS9628430) is used for blocking the activity of C1QL4 antibody (MBS9609726)
Molecular Weight	Observed: 25 kDa Predicted: 25 kDa
3D Structure	ModBase 3D Structure for Q86Z23
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human C1QL4
Subcellular Location	Secreted.
Tissue Specificity	Highest expression levels in testis and adipose tissue, lower levels in skeletal muscle and kidney.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Bovine (88%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%), Xenopus (89%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-C1QL4 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-C1QL4 antibody	WB: 1:1000-3000 IHC: 1:200

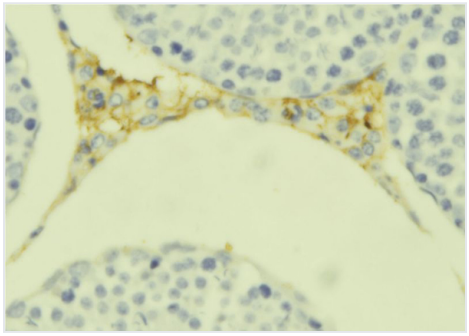
Related Product Information for anti-C1QL4 antibody	Function: May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses (By similarity). May inhibit adipocyte differentiation at an early stage of the process (By similarity). Subunit Structure: Forms homooligomers, predominantly dimers or trimers. Forms heterooligomers with C1QL1, C1QL2 and C1QL3, when proteins are coexpressed; this interaction does not occur after secretion. Interacts with ADGRB3.
Other Notes	Small volumes of anti-C1QL4 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.
Searchable Terms for C1QL4 purchase	MBS9609726 is an antibody targeting C1QL4. Also known as C1QL4 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-C1QL4 antibody
Western blot analysis of C1QL4 using HepG2 whole cell lysates



Western Blot (WB) of anti-C1QL4 antibody
Western blot analysis of extracts from mouse brain, using C1QL4 Antibody. Lane 1 was treated with the blocking peptide.



Immunohistochemistry (IHC) of anti-C1QL4 antibody
MBS9609726 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QL4. It may not necessarily be applicable to this product.

NCBI GI #	56606142
NCBI GeneID	338761
NCBI Accession #	NP_001008224.1
UniProt Primary Accession #	Q86Z23
UniProt Related Accession #	Q86Z23
GenBank Nucleotide #	NM_001008223.1
NCBI Official Full Name	complement C1q-like protein 4

NCBI Official Synonym Full Names	complement C1q like 4
NCBI Official Symbol	C1QL4
NCBI Official Synonym Symbols	CTRP11; C1QTNF11
UniProt Protein Name	Complement C1q-like protein 4
UniProt Synonym Protein Names	C1q and tumor necrosis factor-related protein 11; C1q/TNF-related protein 11
Protein Family	Complement C1q-like protein
UniProt Gene Name	C1QL4
UniProt Synonym Gene Names	CTRP11; C1q/TNF-related protein 11
NCBI Protein Information	complement C1q-like protein 4
UniProt Comments for C1QL4	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses (). May inhibit adipocyte differentiation at an early stage of the process ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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