bs-11045R **[Primary Antibody]**

C1QL1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10882 **SWISS:** O75973

Target: C1QL1

Immunogen: KLH conjugated synthetic peptide derived from human C1QL1: 21-120/258.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: C1q is part of the C1 enzyme complex, which activates the serum complement system. The residues of the globular domain in C1q share homology with several other secreted and membrane-bound collagen or collagen-like proteins, including pre-cerebellin and collagen types VIII and X, as well as the human and mouse genes encoding Apm1/BPB80 and AdipoQ/ACRP30, respectively. These various C1q-related proteins are found in adipose serum, corneal endothelium, chondrocytes and cerebral Purkinje cells. C1qL1 (complement component 1, q subcomponent-like 1), also known as CRF or C1QRF, is a polypeptide with a hydrophobic signal sequence, a collagenous region and a globular domain at the carboxy terminus, which shares homology to the C1q globular domain. C1qL1 transcripts are most abundant in areas of the nervous system that are associated with motor function, including cerebral Purkinje cells, the pons, the accessory olivary nucleus, and the red nucleus. The similarity of mouse C1qL1 to human C1qL1 suggests a conserved and important role for the protein. In humans, the gene encoding C1qL1 maps to chromosome 17q21.

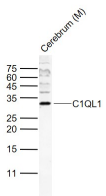
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Pig, Cow, Dog)

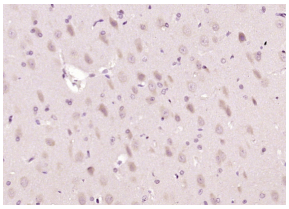
Predicted MW.: 25 kDa

Subcellular Location: Secreted

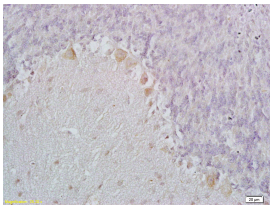
VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-C1QL1 (bs-11045R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 32 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C1QL1) Polyclonal Antibody, Unconjugated (bs-11045R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: mouse cerebel tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-C1QL1 Polyclonal Antibody, Unconjugated(bs-11045R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=5.505]** Yue Qi. et al. Deletion of C1ql1 Causes Hearing Loss and Abnormal Auditory Nerve Fibers in the Mouse

Cochlea. Front Cell Neurosci. 2021; 15: 713651 IF ;Mouse. 34512267

- **[IF=4.736]** Lu Xiaosheng. et al. Deficiency of C1QL1 reduced murine ovarian follicle reserve through intraovarian and endocrine control. ENDOCRINOLOGY. 2022 Apr;: WB ;Mouse. 10.1210/endocr/bqac048
- **[IF=1.2]** Minglin Chen. et al. C1QL1 regulates auditory nerve fibers growth via ELMO1-DOCK180-RAC1 integrin. ACTA OTO-LARYNGOL. 2025 四月 07 IF ;Mouse. 40193629