

For Research Use Only

C1QBP Monoclonal antibody, PBS Only

Catalog Number: 68084-1-PBS

Featured Product



Basic Information

Catalog Number:

68084-1-PBS

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG19773

GenBank Accession Number:

BC013731

GeneID (NCBI):

708

UNIPROT ID:

Q07021

Full Name:

complement component 1, q
subcomponent binding protein

Calculated MW:

282 aa, 31 kDa

Observed MW:

32-35 kDa

Purification Method:

Protein A purification

CloneNo.:

1F9B1

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse

Background Information

C1QBP, also named as gC1q receptor (gC1qR), p32, p33, and hyaluronan-binding protein 1 (HABP1), is a protein initially copurified with splicing factor SF2 (PMID: 1830244). The protein is synthesized as a pro-protein of 282 amino acids (aa) that is post-translationally processed by removal of the initial 73 aa to a mature protein of 209 aa (PMID: 8262387). C1QBP is an evolutionary conserved and ubiquitously expressed multifunctional protein and has been reported to be a predominantly mitochondrial matrix protein involved in inflammation and infection processes, mitochondrial ribosome biogenesis, regulation of apoptosis and nuclear transcription, and pre-mRNA splicing (PMID: 28942965).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

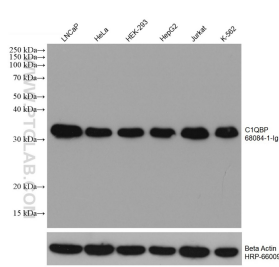
T: 4006900926

E: Proteintech-CN@ptglab.com

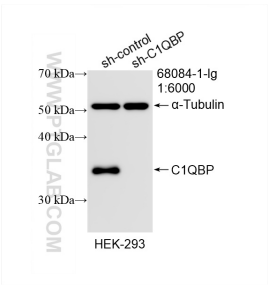
W: ptgcn.com

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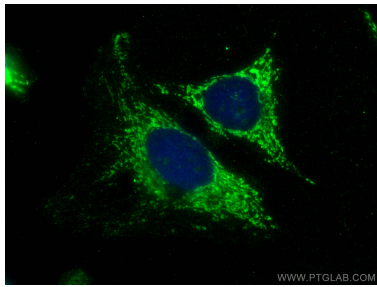
Selected Validation Data



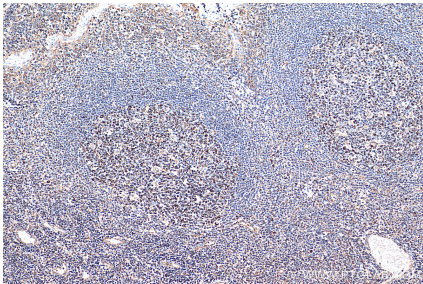
Various lysates were subjected to SDS PAGE followed by western blot with 68084-1-Ig (C1QBP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer formulation.



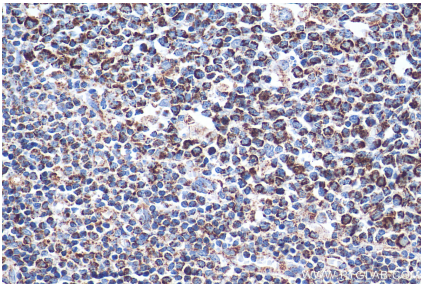
WB result of C1QBP antibody (68084-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C1QBP transfected HEK-293 cells. This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer formulation.



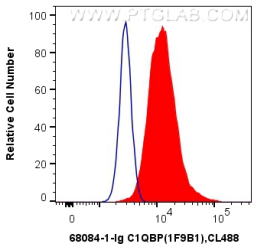
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using C1QBP antibody (68084-1-Ig, Clone: 1F9B1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68084-1-Ig (C1QBP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68084-1-Ig (C1QBP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.5 ug Anti-Human C1QBP (68084-1-Ig, Clone:1F9B1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 68084-1-PBS in a different storage buffer