

For Research Use Only

C1QBP Recombinant antibody

Catalog Number: 80490-1-RR



Basic Information

Catalog Number: 80490-1-RR	GenBank Accession Number: BC013731	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 708	CloneNo.: 3K20
Source: Rabbit	UNIPROT ID: Q07021	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:250-1:1000
Isotype: IgG	Full Name: complement component 1, q subcomponent binding protein	
Immunogen Catalog Number: AG19773	Calculated MW: 282 aa, 31 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
FC, IF/ICC, IHC, WB, ELISA

Species Specificity:
Human, Mouse, Rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells

IHC: human tonsillitis tissue,

IF: HeLa cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

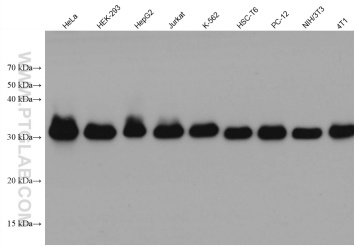
T: 4006900926

E: Proteintech-CN@ptglab.com

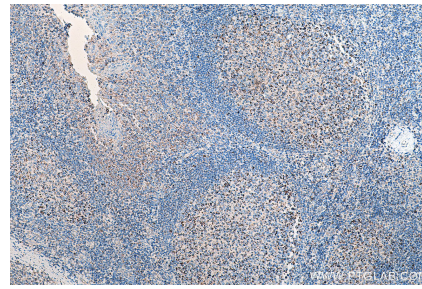
W: ptgcn.com

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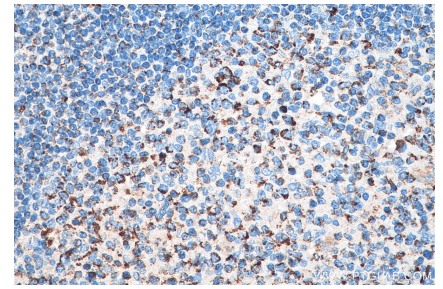
Selected Validation Data



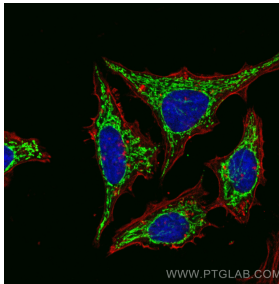
Various lysates were subjected to SDS PAGE followed by western blot with 80490-1-RR (C1QBP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



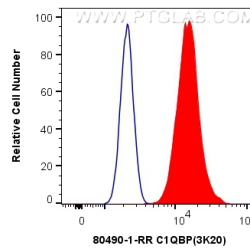
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 80490-1-RR (C1QBP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 80490-1-RR (C1QBP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using C1QBP antibody (80490-1-RR, Clone: 3K20) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).



1X10⁶ HeLa cells were intracellularly stained with 0.5 ug Anti-Human C1QBP (80490-1-RR, Clone:3K20) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Rabbit IgG (KFA002), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).