

For Research Use Only

# CoraLite® Plus 488-conjugated C1QBP Recombinant antibody

Catalog Number: CL488-80490



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>CL488-80490                          | <b>GenBank Accession Number:</b><br>BC013731                                | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>708  | <b>CloneNo.:</b><br>3K20  |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q07021  | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>complement component 1, q subcomponent binding protein | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG19773                    | <b>Calculated MW:</b><br>282 aa, 31 kDa                                     |   |
|  | <b>Observed MW:</b><br>32 kDa   |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IF/ICC            | <b>Positive Controls:</b><br>IF/ICC : HeLa cells, |
| <b>Species Specificity:</b><br>Human, Mouse, Rat |   |

## 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).

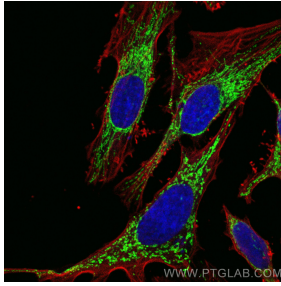
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 C1QBP antibody (CL488-80490, Clone: 3K20 ) at dilution of 1:100, CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).