

For Research Use Only

# CoraLite® Plus 488-conjugated GBP5 Polyclonal antibody

Catalog Number: CL488-13220

Featured Product



## Basic Information

Catalog Number:

CL488-13220

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4103

GenBank Accession Number:

BC031639

GeneID (NCBI):

115362

UNIPROT ID:

Q96PP8

Full Name:

guanylate binding protein 5

Calculated MW:

586 aa, 67 kDa

Observed MW:

65 kDa, 55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

## Background Information

Guanylate binding protein (GBP) 5 belongs to the GBP family, which is involved in important cellular processes, including signal transduction, translation, vesicle trafficking, and exocytosis. GBP5 was reported to be a critical cellular factor in inflammasome assembly. Furthermore, GBP5 has been reported to induce inflammatory cytokines, including IL-1 beta and IL-18, through the activation of NLRP3 and AIM2. GBP5 encodes two isoforms: GBP-5a/b (67 kDa) and GBP-5ta (55 kDa)<sup>1</sup>.

## 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:

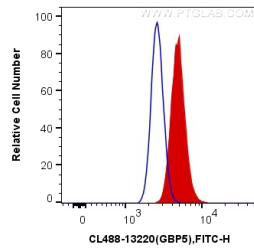
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

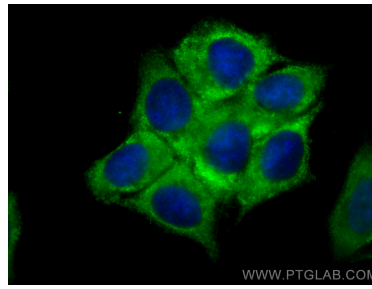
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human GBP5 (CL488-13220) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 GBP5 antibody (CL488-13220) at dilution of 1:200.