

For Research Use Only

# GBP4 Recombinant antibody

Catalog Number: 83699-2-RR



## Basic Information

<b>Catalog Number:</b> 83699-2-RR	<b>GenBank Accession Number:</b> BC070055	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 115361	<b>CloneNo.:</b> 240730F11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96PP9	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> guanylate binding protein 4	
<b>Immunogen Catalog Number:</b> AG12006	<b>Calculated MW:</b> 640 aa, 73 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

Guanylate-binding protein 4 (GBP4) is an IFN-inducible GTPase that belongs to the GB1/RHD3 GTPase family. GBP4 plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens. GBP4 negatively regulates the antiviral response by inhibiting activation of IRF7 transcription factor.

## 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:

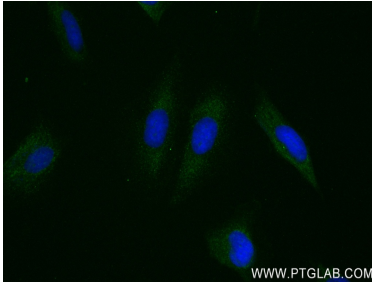
T: 4006900926

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

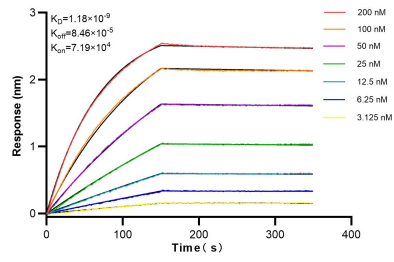
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GBP4 antibody (83699-2-RR, Clone: 240730F11) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83699-2-RR against Human GBP4 were performed. The affinity constant is 1.18 nM.