

For Research Use Only

# GBP2 Monoclonal antibody, PBS Only



Catalog Number: 68559-1-PBS

## Basic Information

<b>Catalog Number:</b> 68559-1-PBS	<b>GenBank Accession Number:</b> BC022272	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2634	<b>CloneNo.:</b> 2D7G4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P32456	
<b>Isotype:</b> IgG1	<b>Full Name:</b> guanylate binding protein 2, interferon-inducible	
<b>Immunogen Catalog Number:</b> AG24108	<b>Calculated MW:</b> 591 aa, 67 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

GBP2 is a member of the GTPase family and is crucial to host immunity against pathogens. GBP2 is also used as a marker of interferon (IFN) responsiveness, because it is one of the most highly expressed genes after IFN- $\gamma$  stimulation. Increased GBP2 expression is also associated with a better prognosis in breast cancer and may have a role in T-cell defense against breast cancer. Interestingly, GBP2 expression in NIH/3T3 fibroblasts inhibited Rac activation and matrix metalloproteinase-9 expression, suggesting a possible role for GBP2 in regulating cancer metastasis. The molecular weight of GBP2 is 67 kDa. (PMID: 29072687, 35383115)

## 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

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

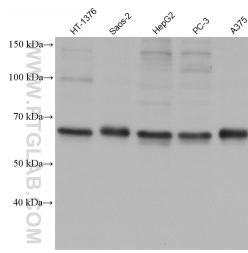
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68559-1-Ig (GBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68559-1-PBS in a different storage buffer formulation.