

For Research Use Only

GBP2 Polyclonal antibody, PBS Only

Catalog Number: 11854-1-PBS

Featured Product



Basic Information

Catalog Number:

11854-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2425

GenBank Accession Number:

BC022272

GeneID (NCBI):

2634

UNIPROT ID:

P32456

Full Name:

guanylate binding protein 2,
interferon-inducible

Calculated MW:

591 aa, 67 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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- γ 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:

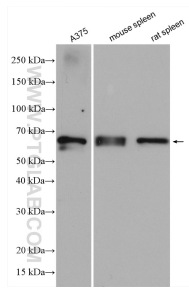
T: 4006900926

E: Proteintech-CN@ptglab.com

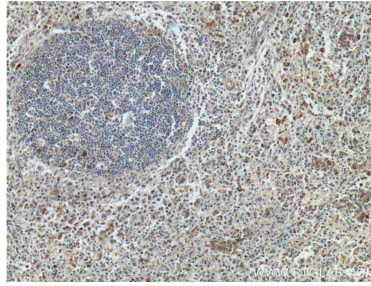
W: ptgcn.com

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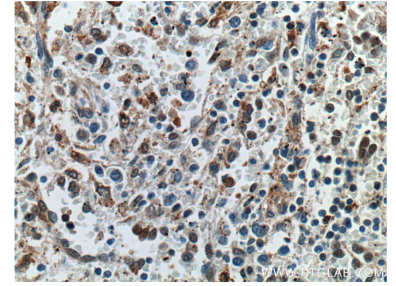
Selected Validation Data



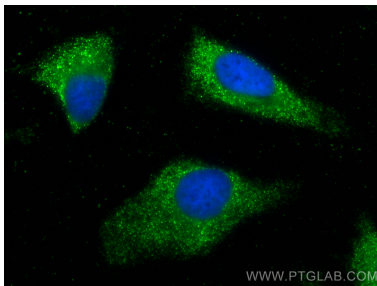
Various lysates were subjected to SDS PAGE followed by western blot with 11854-1-AP (GBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11854-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 11854-1-AP (GBP2 antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 11854-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 11854-1-AP (GBP2 antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 11854-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GBP2 antibody (11854-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 11854-1-PBS in a different storage buffer formulation.