

For Research Use Only

GBP2 Polyclonal antibody, PBS Only

Catalog Number: 11854-1-PBS

Featured Product



Basic Information

Catalog Number:

11854-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.

Storage Buffer:

PBS Only

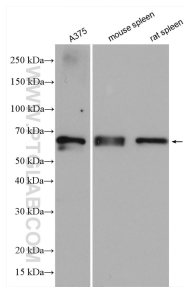
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

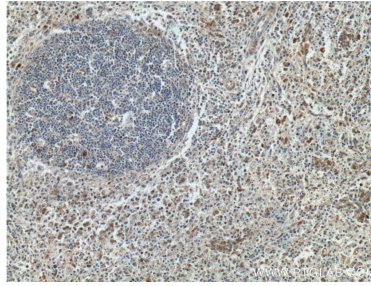
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

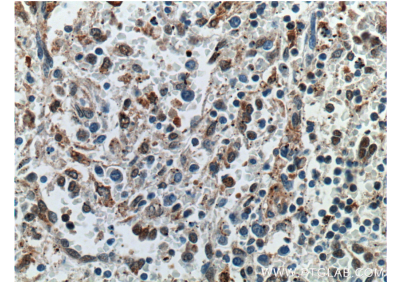
Selected Validation Data



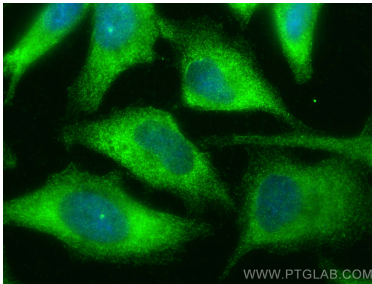
Various lysates were subjected to SDS PAGE followed by western blot with 11854-1-AP (GBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11854-1-PBS in a different storage buffer formulation.



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 AffiniPure 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.