

For Research Use Only

GBP5 Polyclonal antibody

Catalog Number: 13220-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

13220-1-AP

Size:

150UL, Concentration: 427 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4103

GenBank Accession Number:

BC031639

GeneID (NCBI):

115362

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:

WB 1:2000-1:16000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

Applications

Tested Applications:

FC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: U-937 cells, Jurkat cells

IP: U-937 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Shen-Jun Yuan	31623629	J Nanobiotechnology	WB, IHC
Tong-Fei Li	29051064	J Control Release	WB, IHC
Peng Li	29144452	Nature	WB, IF

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

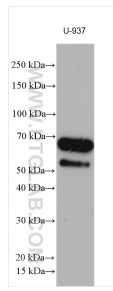
For technical support and original validation data for this product please contact:

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

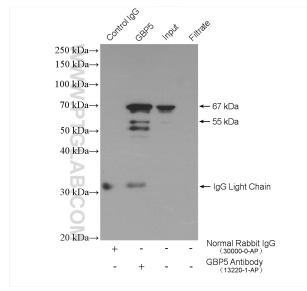
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W: ptglab.com

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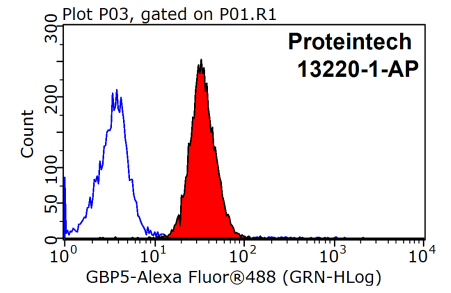
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13220-1-AP (GBP5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-GBP5 (IP:13220-1-AP, 4ug; Detection:13220-1-AP 1:1000) with U-937 cells lysate 4000 ug.



1×10^6 MCF-7 cells were stained with 0.2ug GBP5 antibody (13220-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.