À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-GBP1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:15303-1-AP Phare 19 Publications

## Informations de base

Numéro de catalogue:
15303-1-AP

Taille:
150ul , Concentration: 500 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7562

Numéro d'acquisition GenBank:
BC002666

Identification du gène (NCBI):
2633

Nom complet:
GTP binding protein 1

MW calculé
68 kDa

MW observés:
67 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:10-1:100

## Applications

Applications testées:
IF, IHC, IP, WB,ELISA

Demandes citées:
IF, IHC, RIP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, souris

***Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.***

Contrôles positifs:

WB : tissu placentaire humain, cellules HUVEC, tissu cérébral humain

IP : tissu placentaire humain,

IHC : tissu splénique humain,

IF : cellules MCF-7,

## Informations générales

Guanylate binding protein 1 (GBP1) belongs to the dynamin superfamily of large GTPases. The expression of GBP1 is induced by interferon and GBP1 is characterized by its ability to specifically bind guanine nucleotides such as GMP, GDP, and GTP and its ability to hydrolyze GTP to GDP and GMP. GBP1 is induced in response to type I and type II interferons and as such plays a role in protective immunity against a spectrum of intracellular pathogens ranging from viruses to bacteria to protozoa, such as negative-strand RNA Rhabdovirus, vesicular stomatitis virus and the positive-strand RNA Picornovirus, encephalomyocarditis virus in cultured cells, the inhibition of Chlamydia trachomatis, Toxoplasma gondii, and Salmonella enterica.

## Publications notables

| Autrice | Pubmed ID | Journal | Application |
|---|---|---|---|
| Matthew Charman | 34621686 | Front Cell Infect Microbiol | WB |
| Mary Akinyi Nyonda | 33040458 | Cell Microbiol | IF |
| Motoi Fukumoto | 25098609 | Cancer Sci | WB, IHC |

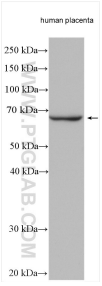
## Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

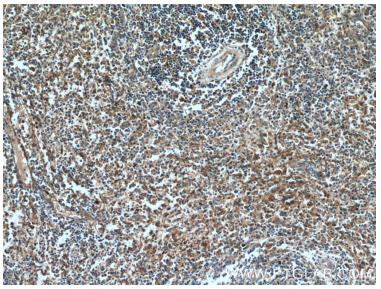
***** Les 20ul contiennent 0,1% de BSA.**

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

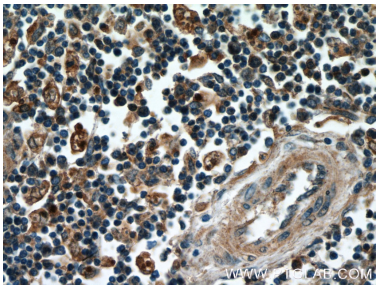
## Données de validation sélectionnées



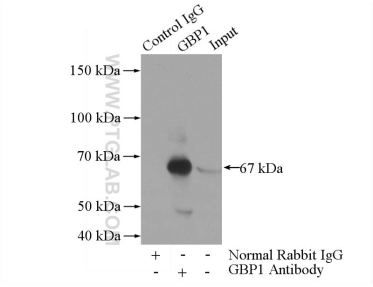

Human placenta tissue were subjected to SDS PAGE followed by western blot with 15303-1-AP (GBP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



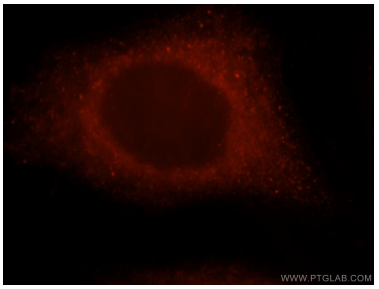

Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15303-1-AP (GBP1 antibody) at dilution of 1:200 (under 10x lens).




Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15303-1-AP (GBP1 antibody) at dilution of 1:200 (under 40x lens).




IP Result of anti-GBP1 (IP:15303-1-AP, 4ug; Detection:15303-1-AP 1:600) with human placenta tissue lysate 4000ug.




Immunofluorescent analysis of MCF-7 cells, using GBP1 antibody 15303-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).