Nur für Forschungszwecke

GBP1 Polyklonaler Antikörper

Katalog-Nr.:15303-1-AP Vorgestelltes Produkt 19 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
15303-1-AP

Größe:
150ul , Konzentration: 500 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG7562

GenBank-Zugangsnummer:
BC002666

GeneID (NCBI):
2633

Vollständiger Name:
GTP binding protein 1

Berechneté Masse:
68 kDa

Beobachteté Masse:
67 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2000
IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
IHC 1:50-1:500
IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:
IF, IHC, IP, WB,ELISA

In Publikationen genannte Anwendungen:
IF, IHC, RIP, WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : humanes Plazenta-Gewebe, humanes Hirngewebe, HUVEC-Zellen

IP : humanes Plazenta-Gewebe,

IHC : humanes Milzgewebe,

IF : MCF-7-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Matthew Charman	34621686	Front Cell Infect Microbiol	WB
Mary Akinyi Nyonda	33040458	Cell Microbiol	IF
Motoi Fukumoto	25098609	Cancer Sci	WB, IHC

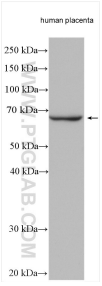
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

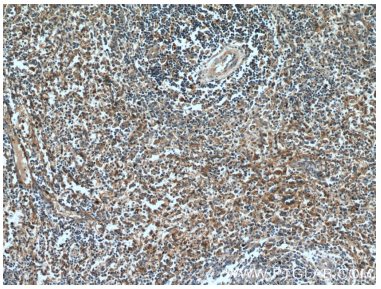
*** 20ul-Größen enthalten 0.1% BSA

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

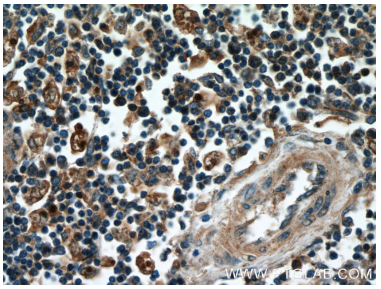
Ausgewählte Validierungsdaten



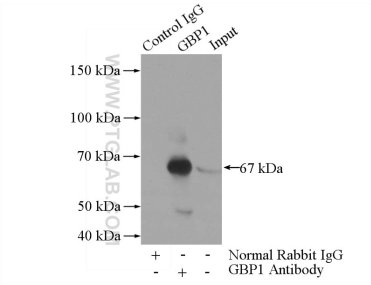
Human placenta tissue were subjected to SDS PAGE followed by western blot with 15303-1-AP (GBP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



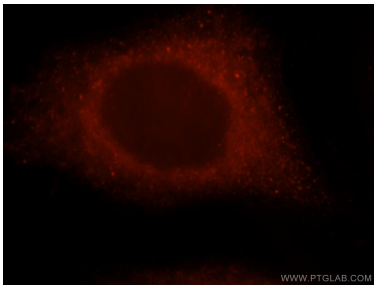
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15303-1-AP (GBP1 antibody) at dilution of 1:200 (under 10x lens).



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).