

G3BP1 Rabbit mAb

Catalog No.: A3968

Recombinant

9 Publications

Basic Information

Observed MW

68kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

WB, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0875

Background

This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

Recommended Dilutions

WB 1:1000 - 1:6000**IF/ICC** 1:100 - 1:1000**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

10146

Swiss Prot

Q13283

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

G3BP; HDH-VIII; G3BP1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

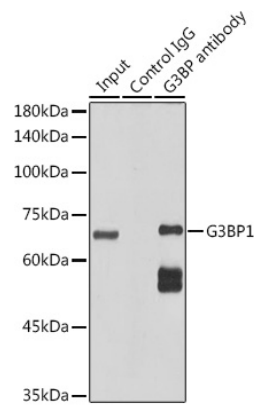
Affinity purification

Storage

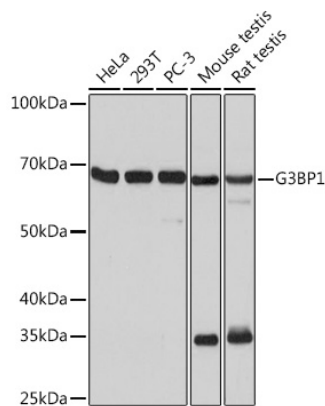
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

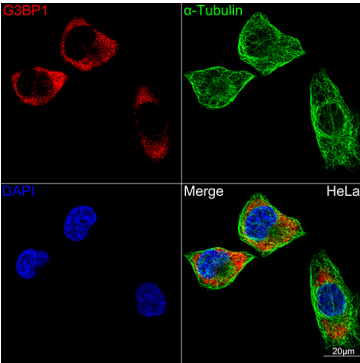
Validation Data



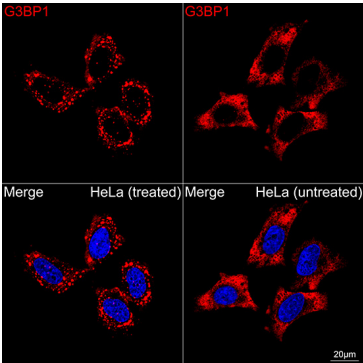
Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg G3BP1 Rabbit mAb (A3968). Western blot was performed from the immunoprecipitate using G3BP1 Rabbit mAb (A3968) at a dilution of 1:1000.



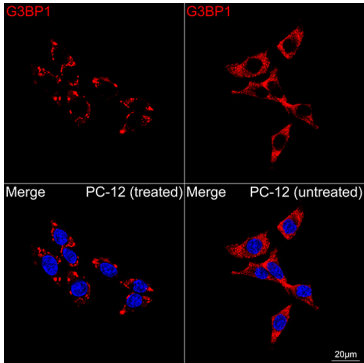
Western blot analysis of various lysates using G3BP1 Rabbit mAb (A3968) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Confocal imaging of HeLa cells using G3BP1 Rabbit mAb (A3968,dilution 1:100)(Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Confocal imaging of HeLa cells (treated with sodium arsenite) and HeLa cells (untreated) using G3BP1 Rabbit mAb (A3968, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of PC-12 cells (treated with sodium arsenite) and PC-12 cells (untreated) using G3BP1 Rabbit mAb (A3968, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.