

# G3BP1 Rabbit mAb

Catalog No.: A3968    Recombinant    11 Publications

## Basic Information

### Observed MW

68kDa

### Calculated MW

52kDa

### Category

Primary antibody

### Applications

WB, IF/ICC, IP, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. 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.

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Immunogen Information

### Gene ID

10146

### Swiss Prot

Q13283

### Immunogen

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

### Synonyms

G3BP; HDH-VIII; G3BP1

## Product Information

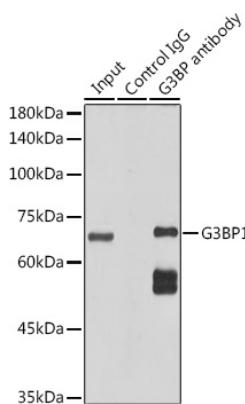
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

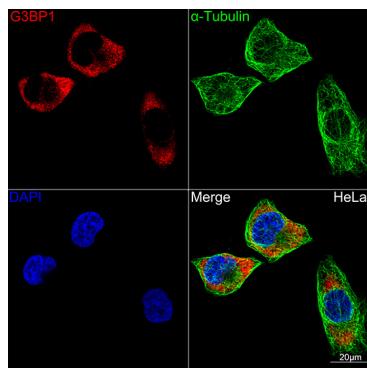
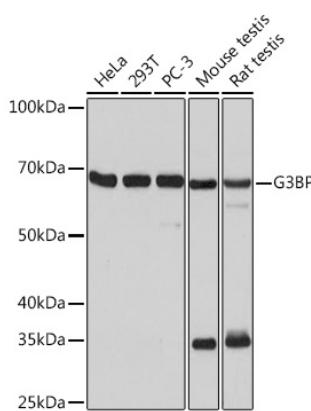
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

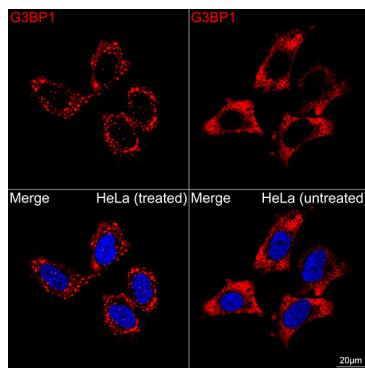
## Validation Data



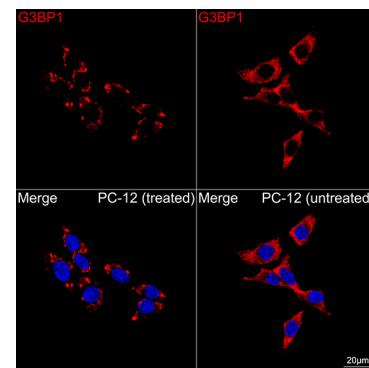
Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg G3BP1 Rabbit mAb (A3968). Western blot was performed from the immunoprecipitate using G3BP1 Rabbit mAb (A3968) at a dilution of 1:1000.



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.