

# G3BP1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_005745.1
Catalog No. A302-033A	Uniprot ID	Q13283
Lot No. 3	GeneID	10146

---

<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to G3BP1 immobilized on solid support.

The epitope recognized by A302-033A maps to a region between residue 275 and 325 of human GTPase activating protein (SH3 domain) binding protein 1 using the numbering given in entry NP\_005745.1 (GeneID 10146).

Immunoglobulin concentration was determined using Beer's Law where 1 mg/mL IgG has an A280 of 1.4.

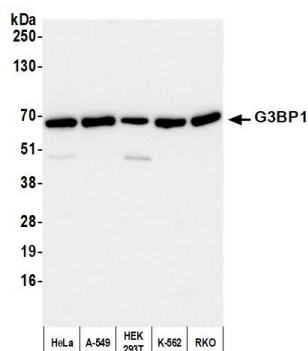
**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2000 – 1:10,000
Immunoprecipitation	6 µg/mg lysate

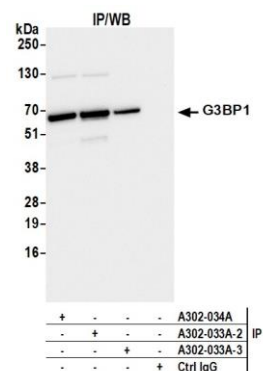
**ADDITIONAL INFO** <https://www.fortislife.com/p/A302-033A>

Use the link above to view SDS, a current list of citations, and other product specific information.

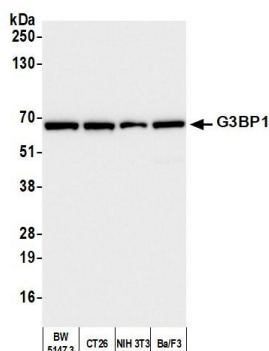
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: June 19, 2024



**Detection of human G3BP1 by western blot.** *Samples:* Whole cell lysate (10  $\mu$ g) from HeLa, A-549, HEK293T, K-562, and RKO cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-G3BP1 antibody (A302-033A lot 3) used for WB at 0.04  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human G3BP1 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from A-549 cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-G3BP1 antibody (A302-033A lot 3) used for IP at 6  $\mu$ g per reaction. G3BP1 was also immunoprecipitated by a previous lot of this antibody (A302-033A lot 2) and a second antibody against a different epitope of G3BP1 (A302-034A). For blotting immunoprecipitated G3BP1, A302-033A was used at 0.04  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



**Detection of mouse G3BP1 by western blot.** *Samples:* Whole cell lysate (25  $\mu$ g) from BW5147.3, CT26, NIH 3T3, and Ba/F3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-G3BP1 antibody (A302-033A lot 3) used for WB at 0.04  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.