

G3BP2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50602**Specification**

G3BP2 Antibody - Product Information

Application	WB
Primary Accession	O9UN86
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54,51 KDa
Antigen Region	450-481

G3BP2 Antibody - Additional Information**Gene ID** 9908**Other Names**

Ras GTPase-activating protein-binding protein 2, G3BP-2, GAP SH3 domain-binding protein 2, G3BP2, KIAA0660

Dilution

WB~~ 1:500

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

G3BP2 Antibody - Protein Information**Name** G3BP2 {ECO:0000303|PubMed:23279204, ECO:0000312|HGNC:HGNC:30291}**Function**

Scaffold protein that plays an essential role in cytoplasmic stress granule formation which acts as a platform for antiviral signaling (PubMed:23279204, PubMed:32302570, PubMed:32302571, PubMed:32302572). Plays an essential role in stress granule formation (PubMed:27022092, PubMed:32302570, PubMed:32302571, PubMed:32302572). Stress granules are membraneless compartments that store mRNAs and proteins, such as stalled

translation pre-initiation complexes, in response to stress (PubMed:32302570, PubMed:32302571, PubMed:32302572). Promotes formation of stress granules phase-separated membraneless compartment by undergoing liquid-liquid phase separation (LLPS) upon unfolded RNA-binding: functions as a molecular switch that triggers RNA-dependent LLPS in response to a rise in intracellular free RNA concentrations (By similarity).

Cellular Location

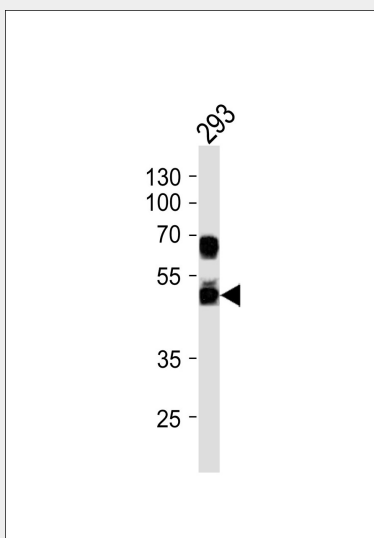
Cytoplasm. Cytoplasm, Stress granule

G3BP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

G3BP2 Antibody - Images



Western blot analysis of lysates from HeLa, 293 cell line (from left to right), using G3BP2 Antibody (AP50602). AP50602 was diluted at 1:500 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

G3BP2 Antibody - Background

Probable scaffold protein that may be involved in mRNA transport (Potential).

G3BP2 Antibody - References

Kennedy D.,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Guitard E.,et al.Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Kennedy D.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).