

# G3BP2 Polyclonal Antibody

Catalog # AP69992

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">Q9UN86</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 54121                  |

## Additional Information

|                    |                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------|
| Gene ID            | 9908                                                                                                       |
| Other Names        | G3BP2; KIAA0660; Ras GTPase-activating protein-binding protein 2; G3BP-2; GAP SH3 domain-binding protein 2 |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A             |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                              |
| Storage Conditions | -20°C                                                                                                      |

## Protein Information

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: <a href="#">23279204</a> , PubMed: <a href="#">32302570</a> , PubMed: <a href="#">32302571</a> , PubMed: <a href="#">32302572</a> ). Plays an essential role in stress granule formation (PubMed: <a href="#">27022092</a> , PubMed: <a href="#">32302570</a> , PubMed: <a href="#">32302571</a> , PubMed: <a href="#">32302572</a> , PubMed: <a href="#">35977029</a> ). Stress granules are membraneless compartments that store mRNAs and proteins, such as stalled translation pre-initiation complexes, in response to stress (PubMed: <a href="#">32302570</a> , PubMed: <a href="#">32302571</a> , PubMed: <a href="#">32302572</a> ). 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

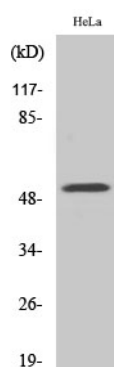
## Background

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Probable scaffold protein that may be involved in mRNA transport.

## Images

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Western Blot analysis of various cells using G3BP2 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.