

**G3BP2 Antibody (aa433-482)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15940****Specification****G3BP2 Antibody (aa433-482) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">O9UN86</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 54kDa KDa              |

**G3BP2 Antibody (aa433-482) - Additional Information****Gene ID** 9908**Other Names**

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

**Target/Specificity**

G3BP2 Antibody detects endogenous levels of total G3BP2 protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

G3BP2 Antibody (aa433-482) is for research use only and not for use in diagnostic or therapeutic procedures.

**G3BP2 Antibody (aa433-482) - 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:<a href="http://www.uniprot.org/citations/23279204" target="\_blank">23279204</a>, PubMed:<a href="http://www.uniprot.org/citations/32302570" target="\_blank">32302570</a>, PubMed:<a href="http://www.uniprot.org/citations/32302571" target="\_blank">32302571</a>, PubMed:<a href="http://www.uniprot.org/citations/32302572" target="\_blank">32302572</a>). Plays an essential role in stress granule formation (PubMed:<a href="http://www.uniprot.org/citations/27022092" target="\_blank">27022092</a>, PubMed:<a href="http://www.uniprot.org/citations/32302570" target="\_blank">32302570</a>, PubMed:<a href="http://www.uniprot.org/citations/32302571" target="\_blank">32302571</a>, PubMed:<a href="http://www.uniprot.org/citations/32302572" target="\_blank">32302572</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="http://www.uniprot.org/citations/32302572" target="\_blank">32302572</a>).

href="http://www.uniprot.org/citations/32302570" target="\_blank">32302570</a>, PubMed:<a href="http://www.uniprot.org/citations/32302571" target="\_blank">32302571</a>, PubMed:<a href="http://www.uniprot.org/citations/32302572" target="\_blank">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

#### Volume

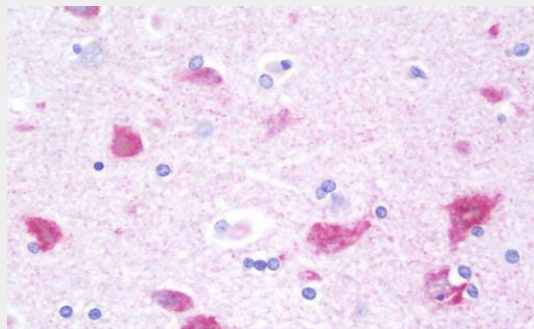
50 µl

### G3BP2 Antibody (aa433-482) - Protocols

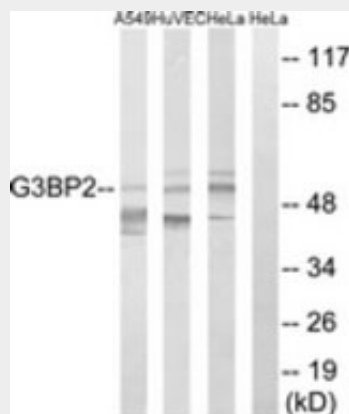
Provided below are standard protocols that you may find useful for product applications.

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

### G3BP2 Antibody (aa433-482) - Images



Anti-G3BP2 antibody IHC staining of human brain, cortex.



Western blot of extracts from HeLa/HUVEC/A549 cells, using G3BP2 Antibody.

#### **G3BP2 Antibody (aa433-482) - Background**

Probable scaffold protein that may be involved in mRNA transport.

#### **G3BP2 Antibody (aa433-482) - 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).