

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

Application	IHC, WB
Primary Accession	O9UN86
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: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:27022092).

href="http://www.uniprot.org/citations/32302570" target="_blank">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

Volume

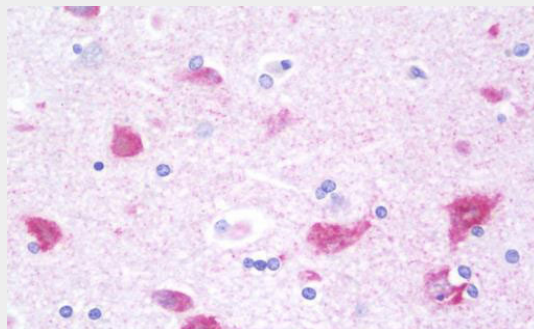
50 µl

G3BP2 Antibody (aa433-482) - Protocols

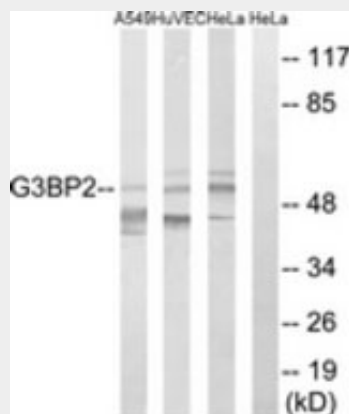
Provided below are standard protocols that you may find useful for product applications.

- [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).