

G3BP2 Polyclonal Antibody
Catalog # AP69992**Specification****G3BP2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q9UN86
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

G3BP2 Polyclonal Antibody - 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.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

G3BP2 Polyclonal 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).

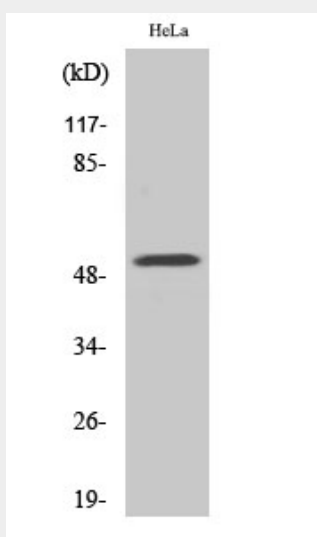
Cellular Location

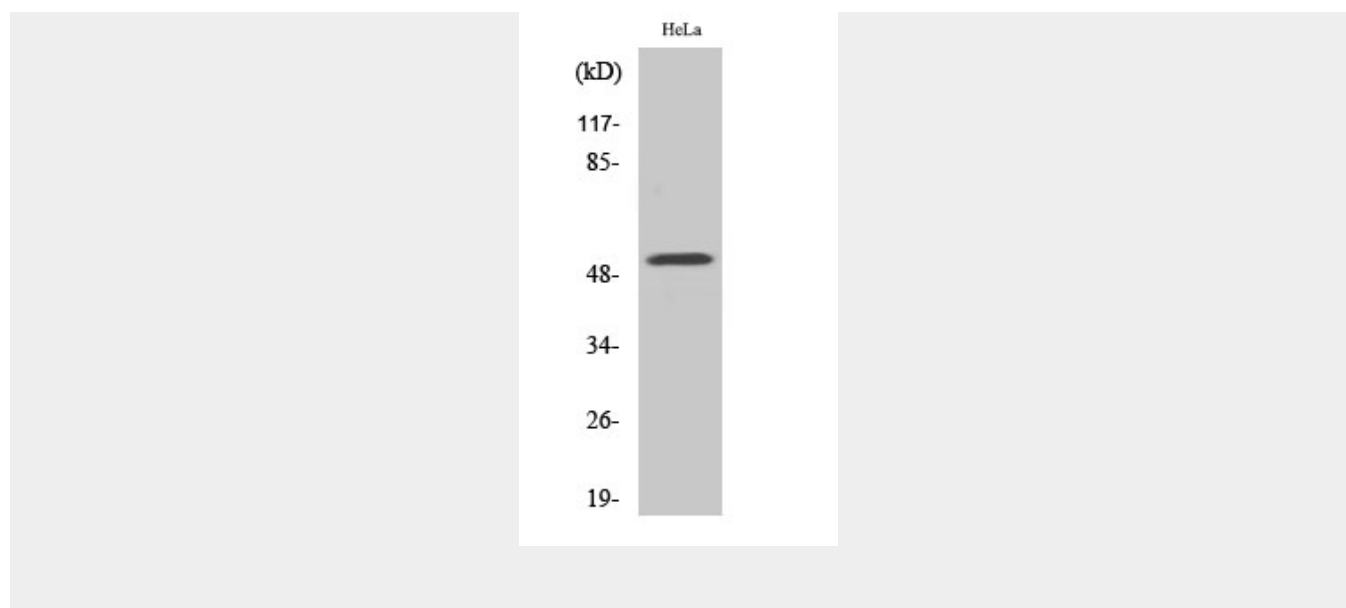
Cytoplasm. Cytoplasm, Stress granule

G3BP2 Polyclonal 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 Polyclonal Antibody - Images



G3BP2 Polyclonal Antibody - Background

Probable scaffold protein that may be involved in mRNA transport.