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Anti-G3BP2 Antibody

Rabbit polyclonal antibody to G3BP2

Catalog # AP59784

Specification

Anti-G3BP2 Antibody - Product Information

Application	**WB**
Primary Accession	Q9UN86
Other Accession	P97379
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**54121**

Anti-G3BP2 Antibody - Additional Information

Gene ID 9908

Other Names
KIAA0660; Ras GTPase-activating protein-binding protein 2; G3BP-2; GAP SH3 domain-binding protein 2

Target/Specificity
Recognizes endogenous levels of G3BP2 protein.

Dilution
WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-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:<a

href="http://www.uniprot.org/citations/32302571" target="_blank">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).

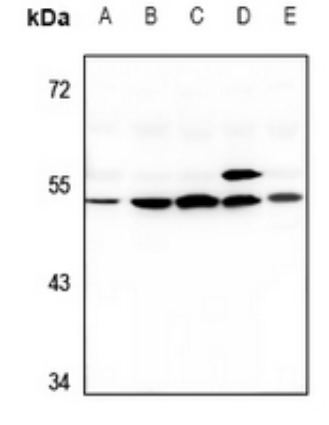
Cellular Location
Cytoplasm. Cytoplasm, Stress granule

Anti-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 Cytomety
- Cell Culture

Anti-G3BP2 Antibody - Images



Western blot analysis of G3BP2 expression in MCF7 (A), SKOVCAR3 (B), A549 (C), C6 (D), CT26 (E) whole cell lysates.

Anti-G3BP2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human G3BP2. The exact sequence is proprietary.