

## Product Information

### Anti-G3BP

antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW22382A**

Formerly listed as GenWay Catalog Number 15-288-22382A,  
Ras-GTPase-activating protein-binding protein 1 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Ras-GTPase-activating protein SH3-domain-binding protein, EC 3.6.1.-; ATP-dependent DNA helicase VIII; GAP SH3-domain-binding protein 1; G3BP-1; HDH-VIII

### Product Description

May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in vitro. Cleaves exclusively between cytosine and adenine and cleaves c-myc mRNA preferentially at the 3'UTR. ATP- and magnesium-dependent helicase. Unwinds preferentially partial DNA and RNA duplexes having a 17 bp annealed portion and either a hanging 3' tail or hanging tails at both 5' and 3' ends. Unwinds DNA/DNA. RNA/DNA. and RNA/RNA substrates with comparable efficiency. Acts unidirectionally by moving in the 5' to 3' direction along the bound single-stranded DNA.

NCBI Accession number: NP\_005745.1

Swiss Prot Accession number: Q13283

Gene Information: Human .. G3BP (10146)

Immunogen: Recombinant protein Ras-GTPase-activating protein SH3-domain-binding protein

Immunogen Sequence: GI # 5031703, sequence 132 - 350

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2-8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.