

Datasheet for ABIN801153
anti-G3BP1 antibody (pSer232)[Go to Product page](#)

1 Publication

Overview

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| Quantity: | 100 µL |
| Target: | G3BP1 |
| Binding Specificity: | pSer232 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This G3BP1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human G3BP1 around the phosphorylation site of Ser232 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Cow,Pig,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | G3BP1 |
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Target Details

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| Alternative Name: | G3BP1 (G3BP1 Products) |
| Background: | <p>Synonyms: G3BP, HDH-VIII, Ras GTPase-activating protein-binding protein 1, G3BP-1, ATP-dependent DNA helicase VIII, hDH VIII, GAP SH3 domain-binding protein 1, G3BP1</p> <p>Background: May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in vitro. Cleaves exclusively between cytosine and adenine and cleaves 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.</p> |
| Gene ID: | 10146 |
| UniProt: | Q13283 |
| Pathways: | SARS-CoV-2 Protein Interactome |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Luo, Fang, Jin, Wang, An, Xu, Chen, Xiao: "Label-free quantitative phosphoproteomic analysis reveals differentially regulated proteins and pathway in PRRSV-infected pulmonary alveolar macrophages." in: **Journal of proteome research**, Vol. 13, Issue 3, pp. 1270-80, (2014) ([PubMed](#)).