Product Datasheet

G3BP1 Antibody (2F3)
H00010146-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Publications: 4

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Updated 2/19/2017 v.20.1

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**Product Information**

- **Unit Size**: 0.1 mg
- **Concentration**: Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
- **Storage**: Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
- **Clonality**: Monoclonal
- **Clone**: 2F3
- **Preservative**: No Preservative
- **Isotype**: IgG1 Kappa
- **Purity**: IgG purified
- **Buffer**: PBS (pH 7.4)

**Product Description**

- **Host**: Mouse
- **Gene ID**: 10146
- **Gene Symbol**: G3BP1
- **Species**: Human
- **Specificity/Sensitivity**: G3BP - Ras-GTPase-activating protein SH3-domain-binding protein
- **Immunogen**: G3BP (AAH06997, 214 a.a. ~ 303 a.a) partial recombinant protein with GST tag. KPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRFTSWASVTSSKLPPSGA VPVTGIAPPVVKVPASQPRPESKPESQIPQPRPQDQRV
- **Notes**: This product is produced by and distributed for Abnova, a company based in Taiwan.

**Product Application Details**

- **Applications**: Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, RNAi sequence position
- **Recommended Dilutions**: Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, RNAi sequence position
- **Application Notes**: Antibody reactive against recombinant protein and cell lysate for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), RNAi validation and ELISA.

**Images**

Western Blot: G3BP1 Antibody (2F3) [H00010146-M01] - G3BP monoclonal antibody (M01), clone 2F3 Analysis of G3BP expression in A-431.
Immunocytochemistry/Immunofluorescence: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of monoclonal antibody to G3BP on HeLa cell. Antibody concentration 10 ug/ml.

Immunohistochemistry-Paraffin: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of monoclonal antibody to G3BP on formalin-fixed paraffin-embedded human lymphoma. Antibody concentration 1 ug/ml.

Western Blot: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of G3BP over-expressed 293 cell line, cotransfected with G3BP Validated Chimera RNAi (Cat # H00010146-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with G3BP monoclonal antibody (M01), clone 2F3 (Cat # H00010146-M01). GAPDH (36.1 kDa) used as specificity and loading control.

Western Blot: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of G3BP expression in transfected 293T cell line by G3BP monoclonal antibody (M01), clone 2F3. Lane 1: G3BP transfected lysate (52.2 KDa). Lane 2: Non-transfected lysate.
ELISA: G3BP1 Antibody (2F3) [H00010146-M01] - Detection limit for recombinant GST tagged G3BP1 is 0.1 ng/ml as a capture antibody.

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<th>Publications</th>
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<tr>
<td>Martin S, Zekri L, Metz A et al. Deficiency of G3BP1, the stress granules assembly factor, results in abnormal synaptic plasticity and calcium homeostasis in neurons. J Neurochem. 2013 Feb 04 [PMID: 23373770]</td>
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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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