

Product Datasheet

G3BP1 Antibody (2F3)

H00010146-M01

Unit Size: 0.1 mg

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

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Publications: 6

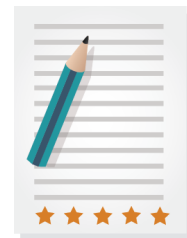
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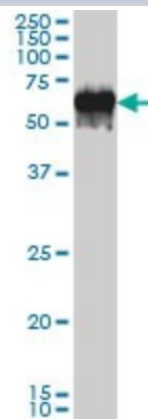


H00010146-M01**G3BP1 Antibody (2F3)**

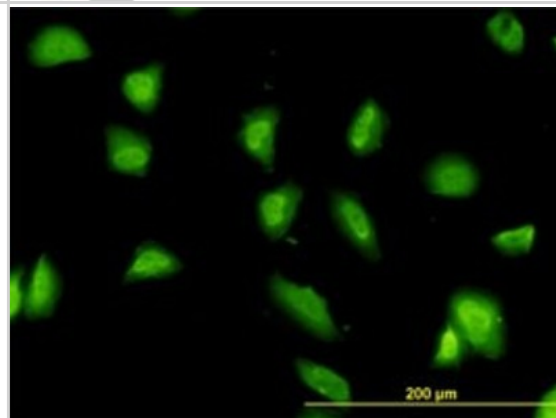
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	10146
Gene Symbol	G3BP1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Monkey reactivity reported in scientific literature (PMID: 31216693).
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. MW of the GST tag alone is 26 KDa. KPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVP VTGIPPHVVKVPASQPRPESKPESQIPPQRPQRDQRV
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, Knockdown Validated
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, Knockdown Validated
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

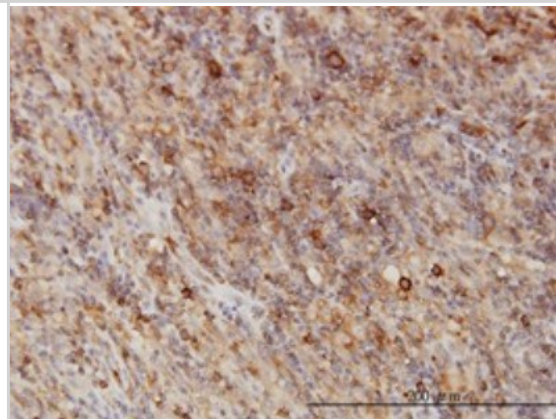
Western Blot: G3BP1 Antibody (2F3) [H00010146-M01] - G3BP1 monoclonal antibody (M01), clone 2F3 Analysis of G3BP expression in A-431.



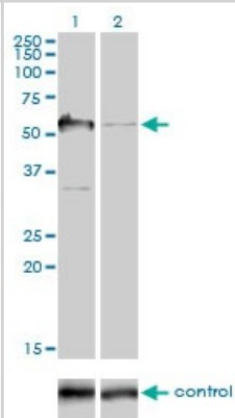
Immunocytochemistry/Immunofluorescence: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of monoclonal antibody to G3BP on HeLa cell. Antibody concentration 10 ug/ml.



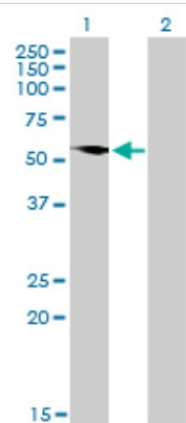
Immunohistochemistry-Paraffin: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of monoclonal antibody to G3BP on formalin-fixed paraffin-embedded human lymphoma. Antibody concentration 1 ug/ml.



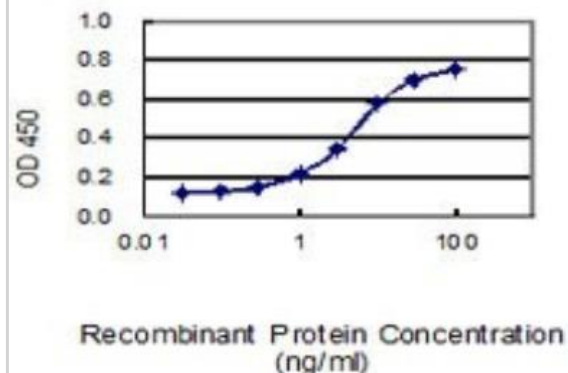
Western Blot: G3BP1 Antibody (2F3) [H00010146-M01] - Analysis of G3BP over-expressed 293 cell line, cotransfected with G3BP Validated Chimera RNAi (Cat # H00010146-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with G3BP monoclonal antibody (M01), clone 2F3 (Cat # H00010146-M01). GAPDH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



Publications

Lutz MM th, Worth MP, Hinchman MM et al. Mammalian orthoreovirus Infection is Enhanced in Cells Pre-Treated with Sodium Arsenite Viruses. 2019 Jun 17 [PMID: 31216693] (WB, ICC/IF, Monkey)

Liu ZS, Cai H, Xue W et al. G3BP1 promotes DNA binding and activation of cGAS. Nat Immunol Dec 3 2018 12:00AM [PMID: 30510222]

Martin S, Bellora N, Gonzalez-Vallinas J et al. Preferential Binding of a stable G3BP Ribonucleoprotein Complex to Intron-retaining Transcripts in Mouse Brain and Modulation of their Expression in the Cerebellum. J Neurochem 2016 Aug 11 [PMID: 27513819]

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]

Kaehler C, Isensee J, Hucho T et al. 5-Fluorouracil affects assembly of stress granules based on RNA incorporation. Nucleic Acids Res. 2014 Apr 11 [PMID: 24728989]

Norazit A, Meedeniya AC, Nguyen MN, Mackay-Sim A. Progressive loss of dopaminergic neurons induced by unilateral rotenone infusion into the medial forebrain bundle. Brain Res 1360:119-29. 2010 Nov 11. [PMID: 20807515]



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-50925-50ug	Recombinant Human G3BP1 His Protein

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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