# **Product Datasheet**

# G3BP2 Antibody - BSA Free NBP1-82976

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.



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## NBP1-82976

G3BP2 Antibody - BSA Free

Product Information		
Unit Size	0.1 ml	
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.	
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.	
Clonality	Polyclonal	
Preservative	0.02% Sodium Azide	
Isotype	IgG	
Purity	Immunogen affinity purified	
Buffer	PBS (pH 7.2) and 40% Glycerol	
Product Description		
Host	Rabbit	
Gene ID	9908	
Gene Symbol	G3BP2	
Species	Human, Mouse	
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25893917).	
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KNLEELEEKSTTPPPAEPVSLPQEPPKPRVEAKPEVQSQPPRVREQRPRERP GFPPRGPRPGRGDMEQNDS	
Product Application Details		
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin	
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200	

#### Application Notes For IHC-Paraffin, HIER pH 6 retrieval is recommended.

#### Images

Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] -Analysis in human cerebral cortex and skin tissues using NBP1-82976 antibody. Corresponding G3BP2 RNA-seq data are presented for the same tissues.





Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] - Staining of human cerebellum, cerebral cortex, skin and testis using Anti- G3BP2 antibody NBP1-82976 (A) shows similar protein distribution across tissues to independent antibody NBP1-82977 (B).	A B
Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neuronal cells.	
Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.	
Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] - Staining of human skin shows very weak cytoplasmic positivity in epidermal cells.	



Immunohistochemistry-Paraffin: G3BP2 Antibody [NBP1-82976] -Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells and in molecular layer.



#### **Publications**

De Marchi T, Liu NQ, Stingl C et al. 4-protein signature predicting tamoxifen treatment outcome in recurrent breast cancer Molecular Oncology 2016-01-01 [PMID: 26285647]

Wang C, Terrigno M, Li J et al. Increased G3BP2-Tau interaction in tauopathies is a natural defense against Tau aggregation Neuron 2023-06-23 [PMID: 37385246] (PLA, WB, Human)

Somasekharan SP, Gleave M SARS-CoV-2 nucleocapsid protein interacts with immunoregulators and stress granules and phase separates to form liquid droplets FEBS letters 2021-11-15 [PMID: 34780058] (WB, Human)

Li H, Lin PH, Gupta P et al. MG53 suppresses tumor progression and stress granule formation by modulating G3BP2 activity in non-small cell lung cancer Molecular cancer 2021-09-14 [PMID: 34521423] (WB, ICC/IF, Human)

Ramachandran B, Stabley JN, Cheng SL, et al. A GTPase-activating protein-binding protein (G3BP1)/antiviral protein relay conveys arteriosclerotic Wnt signals in aortic smooth muscle cells. J Biol Chem. 2018 Apr 6 [PMID: 29626090] (WB, IP, Human)

De Marchi T, Liu NQ, Stingl C et al. 4-protein signature predicting tamoxifen treatment outcome in recurrent breast cancer Mol Oncol 2016 Jan 01 [PMID: 26285647] (IHC-P, Human)

#### Details:

The Novus G3BP2 antibody was used to look for a potential correlation between increased G3BP2 expression and clinical outcomes.

Wei SC, Fattet L, Tsai JH et al. Matrix stiffness drives Epithelial-Mesenchymal Transition and tumour metastasis through a TWIST1-G3BP2 mechanotransduction pathway. Nat Cell Biol 2015-05-01 [PMID: 25893917] (WB, IF/IHC, Mouse)



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# Products Related to NBP1-82976

NBP2-24891	Rabbit IgG Isotype Control
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NBP1-82976PEP	G3BP2 Recombinant Protein Antigen

#### 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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