

# Product Datasheet

## GFP Antibody (859) - Azide and BSA Free NBP2-43575

Unit Size: 0.1 ml

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

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**Publications: 29**

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**NBP2-43575**

GFP Antibody (859) - Azide and BSA Free

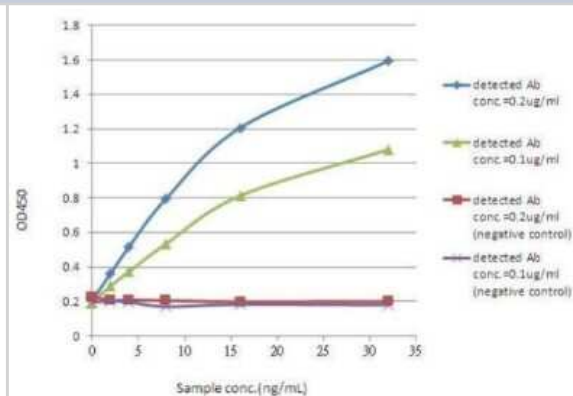
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	859
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse GFP Antibody (859) - Azide and BSA Free (NBP2-43575) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-GFP Antibody: Cited in 24 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Immunogen	Full length GFP recombinant protein

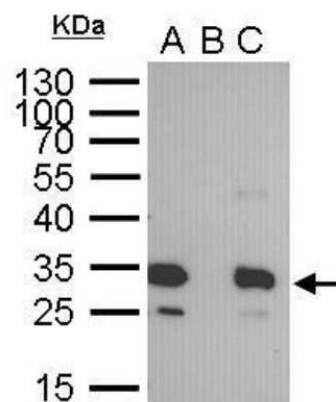
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vivo assay, Immunoprecipitation, Sandwich ELISA, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 1:1000-1:10000, ELISA 1:1000-1:10000, Immunohistochemistry 10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:2000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10 - 1:500, In vivo assay, Sandwich ELISA, Immunohistochemistry Whole-Mount 1:10 - 1:500
Application Notes	Use in In vivo reported in scientific literature (PMID:34246771).

**Images**

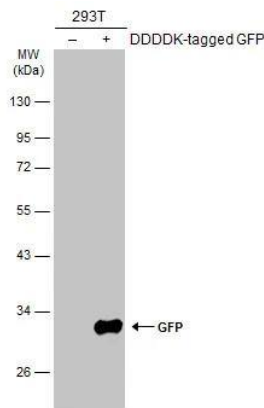
ELISA: GFP Antibody (859) [NBP2-43575] - Coating Ab: mouse anti-GFP (2ug/well) Sample: GFP protein Detected Ab: rabbit anti-GFP Conjugated Ab: goat anti-rabbit IgG-HRP (1:20000)



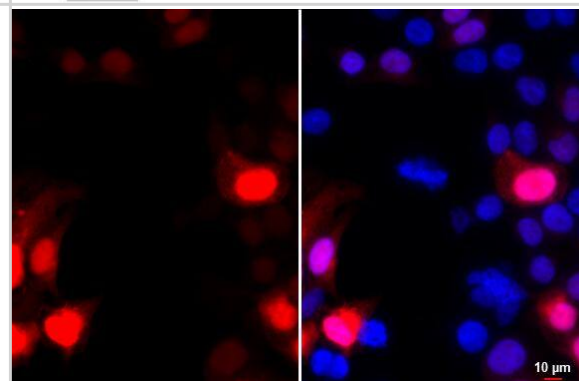
Immunoprecipitation: GFP Antibody (859) [NBP2-43575] - Analysis of 400 ug cell lysate/extract of GFP-fused gene transfected 293T cells A. 30 ug lysate/extract of transfected 293T cell B. Control with 2 ug of preimmune mouse IgG C. Immunoprecipitation of GFP-fused protein by 2 ug of GFP tag antibody 12% SDS-PAGE The immunoprecipitated GFP-fused protein was detected by GFP tag antibody diluted at 1:1000. EasyBlot anti-mouse IgG was used as a secondary reagent.



Non-transfected (-) and transfected (+) 293T whole cell extracts (5 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with GFP antibody [GT859] (NBP2-43575) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



GFP antibody [GT859] detects GFP protein by immunofluorescent analysis. Sample: GFP-tag tagged protein transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Red: GFP stained by GFP antibody [GT859] (NBP2-43575) diluted at 1:2000. Blue: Hoechst 33342 staining.



GFP-tag antibody detects GFP-recombinant protein by immunofluorescent analysis. Sample: GFP-tag transfected HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GFP is expressed in the transfected cell Red: GFP-recombinant protein stained by GFP-tag antibody (NBP2-43575) diluted at 1:2000. Blue: Hoechst 33342 staining.



## Publications

Lee HJ, Park JH, Trotter JH et al. Reelin and APP Cooperatively Modulate Dendritic Spine Formation In Vitro and In Vivo *Experimental neurobiology* 2023-02-28 [PMID: 36919335] (Immunocytochemistry/ Immunofluorescence)

Loiben AM, Chien WM, Friedman CE et al. Cardiomyocyte Apoptosis Is Associated with Contractile Dysfunction in Stem Cell Model of MYH7 E848G Hypertrophic Cardiomyopathy *International journal of molecular sciences* 2023-03-03 [PMID: 36902340] (WB, Human)

Kohyama K, Nishida H, Kaneko K et al. Complement-dependent cytotoxicity of human autoantibodies against myelin oligodendrocyte glycoprotein *Frontiers in neuroscience* 2023-02-01 [PMID: 36816137] (ICC/IF)

Märkl F, Benmebarek MR, Keyl J et al. Bispecific antibodies redirect synthetic agonistic receptor modified T cells against melanoma *Journal for immunotherapy of cancer* 2023-05-01 [PMID: 37208128] (IHC-P)

Corzo-López A, Leyva-Leyva M, Castillo-Viveros V et al. Molecular Mechanisms of Nuclear Transport of the Neuronal Voltage-gated Ca<sup>2+</sup> Channel  $\alpha_3$  Auxiliary Subunit *Neuroscience* 2023-05-09 [PMID: 37169165]

Steiert B, Icardi CM, Faris R et al. The Chlamydia trachomatis type III-secreted effector protein CteG induces centrosome amplification through interactions with centrin-2 *Proceedings of the National Academy of Sciences of the United States of America* 2023-05-16 [PMID: 37155906]

Seneviratne AMPB, Lidagoster S, Valbuena-Castor S et al. Kinesins Modify ERR1-Dependent Transcription Using a Conserved Nuclear Receptor Box Motif *International journal of molecular sciences* 2023-02-14 [PMID: 36835206] (WB)

Loiben A, Chien W, Friedman C et al. Cardiomyocyte apoptosis contributes to contractile dysfunction in stem cell model of MYH7E848G hypertrophic cardiomyopathy *bioRxiv* 2023-01-25

Rementer, Cameron, C Engineered Myeloid Precursors Differentiate into Osteoclasts and Resorb Heterotopic Ossification in Mice *Research Square* 2022-11-07 (Immunocytochemistry/ Immunofluorescence)

Obara K, Reynoso J, Hamada Y et al. Hair follicle associated pluripotent (HAP) stem cells jump from transplanted whiskers to pelage follicles and stimulate hair growth *Scientific reports* 2022-12-07 [PMID: 36476963] (IHC-P)

Mar J, Makhijani K, Flaherty D, Bhat KM Nuclear Prospero allows one-division potential to neural precursors and post-mitotic status to neurons via opposite regulation of Cyclin E *PLoS genetics* 2022-08-01 [PMID: 35939521] (IHC-P, Drosophila)

Popescu MA, Patriche D, Dobrica MO et al. Sac1 phosphatidylinositol 4-phosphate phosphatase is a novel host cell factor regulating hepatitis B virus particles assembly and release *The FEBS journal* 2022-07-11 [PMID: 35816160]

More publications at <http://www.novusbio.com/NBP2-43575>





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### **Products Related to NBP2-43575**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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