Product Datasheet

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

Unit Size: 0.1 ml

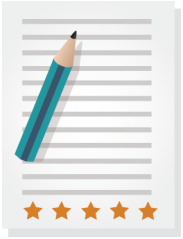
Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 29

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-43575

Updated 2/23/2025 v.20.1



NBP2-43575

GFP Antibody (859) - Azide and BSA Free

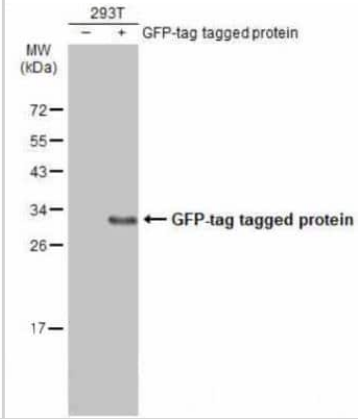
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	859
Preservative	No Preservative
Isotype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

Product Description	
Host	Mouse
Species	Non-species specific
Immunogen	Full length GFP recombinant protein

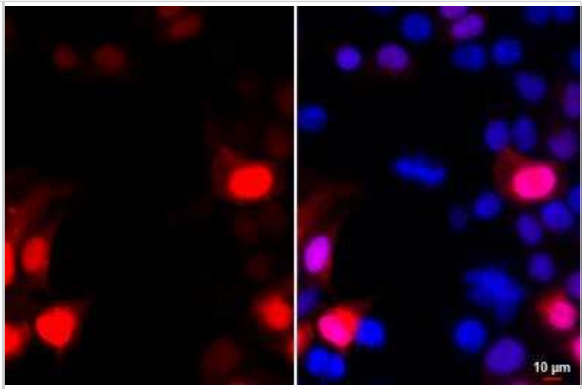
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vivo assay, Immunoprecipitation, Sandwich ELISA, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western 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

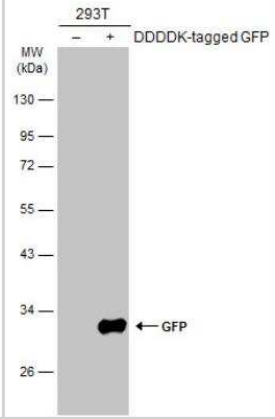
Western Blot: GFP Antibody (859) [NBP2-43575] - Non-transfected (-) and transfected (+) 293T whole cell extracts (5 ug) were separated by 12% SDS-PAGE, and the membranes were blotted with GFP antibody (859) diluted at 1:5000. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



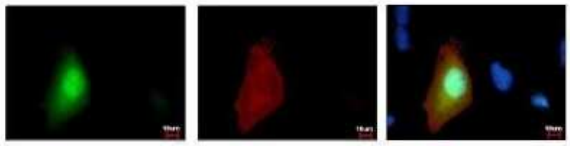
Immunocytochemistry/Immunofluorescence: GFP Antibody (859) [NBP2-43575] - GFP-tag tagged protein transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Red: GFP stained by GFP antibody [859] diluted at 1:2000. Blue: Hoechst 33342 staining.



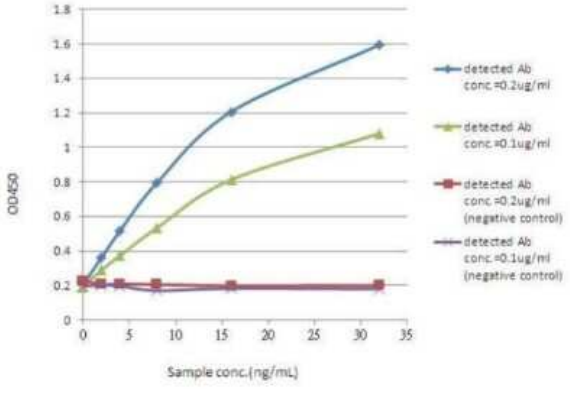
Western Blot: GFP Antibody (859) [NBP2-43575] - Non-transfected (-) and transfected (+) 293T whole cell extracts (5 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with GFP antibody [859] diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



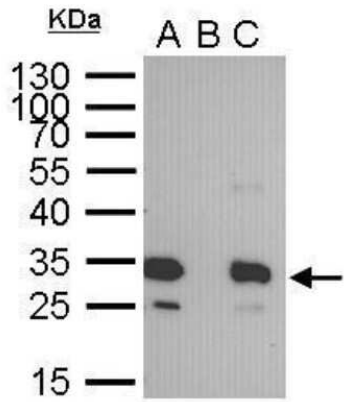
Immunocytochemistry/Immunofluorescence: GFP Antibody (859) [NBP2-43575] - Analysis of GFP-tag transfected HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GFP is expressed in the tranfected cell Red: .GFP-recombinant protein stained by GFP-tag antibody diluted at 1:2000. Blue: Hoechst 33342 staining.



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.



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 Ca2+ Channel ?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 ofMYH7E848G 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

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-43575

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NB100-56401PEP	GFP Antibody Blocking Peptide

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-43575

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications