

Product Datasheet

2A Peptide Antibody (3H4) - BSA Free NBP2-59627

Unit Size: 0.1 mg

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

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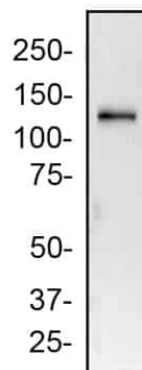
NBP2-59627**2A Peptide Antibody (3H4) - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3H4
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	This 2A Peptide Antibody (3H4) peptide antibody is specific for T2A and P2A tagged proteins. Specificity to F2A and E2A proteins has not been tested.
Immunogen	This 2A Peptide Antibody (3H4) was developed against KLH-coupled synthetic peptide corresponding to 2A peptide of Thosea asigna virus (CGDVEENPG)
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	Use in flow cytometry reported in PMID: 36356599 and customer review. Novus does not validate this product in flow cytometry and is unable to guarantee its performance.

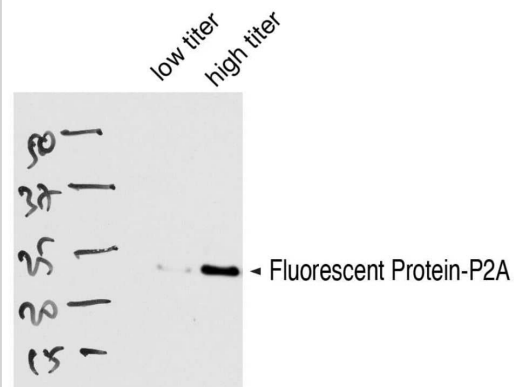


Images

Total protein from SpCas9-T2A peptide transfected HeLa cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-T2A in 5% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



2A Peptide Antibody used for Western Blotting. NIH-3T3 cells were stably integrated with a lentiviral plasmid expressing a fluorescent protein-P2A protein. Two different viral titers were used in this experiment. Image from verified customer review.



Publications

Snyder AJ, Agbemabiese CA, Patton JT. et Al. Production of OSU G5P[7] Porcine Rotavirus Expressing a Fluorescent Reporter via Reverse Genetics *Viruses* 2024-03-07 [PMID: 38543776]

Zhang H, Papadaki S, Sun X et al. Quantitative assessment of near-infrared fluorescent proteins *Nature methods* 2023-09-04 [PMID: 37666982]

Sherry L, Swanson JJ, Grehan K et al. Protease-Independent Production of Poliovirus Virus-like Particles in *Pichia pastoris*: Implications for Efficient Vaccine Development and Insights into Capsid Assembly *Microbiology spectrum* 2023-02-14 [PMID: 36507670] (WB)

Trolle J, McBee RM, Kaufman A et al. Resurrecting essential amino acid biosynthesis in mammalian cells *eLife* 2022-09-27 [PMID: 36165439] (WB, Chinese Hamster)

Szulc DA, Cheng HM. One-Step Labeling of Collagen Hydrogels with Polydopamine and Manganese Porphyrin for Non-Invasive Scaffold Tracking on Magnetic Resonance Imaging *Macromol Biosci* 2019-01-16 [PMID: 30645045]

Details:

Citation using the Non-Recombinant Monoclonal version of this antibody.

Niemann P, Schiffer M, Malan D Et al. Generation and Characterization of an Inducible Cx43 Overexpression System in Mouse Embryonic Stem Cells *Cells* 2022-02-25 [PMID: 35203340] (ICC/IF)

Details:

Citation using the Non-Recombinant Monoclonal version of this antibody.

Tominaga K, Tominaga N, Williams EO Et al. 4-Phenylbutyrate restores localization and membrane repair to human dysferlin mutations *iScience* 2022-01-14 [PMID: 35028538]

Details:

Citation using the Non-Recombinant Monoclonal version of this antibody.

Krabbe, S, Paradiso, E Et al. Adaptive disinhibitory gating by VIP interneurons permits associative learning. *Nat Neurosci* 2019-11-01 [PMID: 31636447] (WB)

Figley MD, Gu W, Nanson JD et al. SARM1 is a metabolic sensor activated by an increased NMN/NAD(+) ratio to trigger axon degeneration *Neuron* 2021-03-03 [PMID: 33657413]

Details:

Citation using the Non-Recombinant Monoclonal format of this antibody.

Rawson JMO, Duchon A, Nikolaitchik OA et al. Development of a Cell-Based Luciferase Complementation Assay for Identification of SARS-CoV-2 3CL(pro) Inhibitors *Viruses* 2021-01-27 [PMID: 33498923] (WB, Human)

Details:

Citation using the Non-Recombinant Monoclonal format of this antibody.

Huang D, Tran JT, Olson A et al. Vaccine elicitation of HIV broadly neutralizing antibodies from engineered B cells *Nat Commun* 2020-11-18 [PMID: 33203876] (ELISA, Mouse)

Details:

Citation using the Non-Recombinant Monoclonal format of this antibody.

Fonseca JP, Bonny AR, Kumar GR et al. A Toolkit for Rapid Modular Construction of Biological Circuits in Mammalian Cells *ACS Synth Biol* 2019-11-06 [PMID: 31686495] (WB, ICC/IF, Human)

Details:

Citation using the Non-Recombinant Monoclonal format of this antibody.

More publications at <http://www.novusbio.com/NBP2-59627>





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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
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)

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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