

# Product Datasheet

## 2A Peptide Antibody (3H4)

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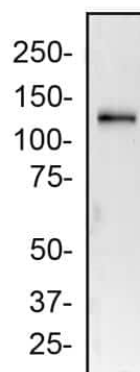
**NBP2-59627****2A Peptide Antibody (3H4)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3H4
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Non-species specific
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	This 2A Peptide Antibody (3H4) was developed against KLH-coupled synthetic peptide corresponding to 2A peptide of Thosea asigna virus (CGDVEENPG)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Application Notes</b>	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.

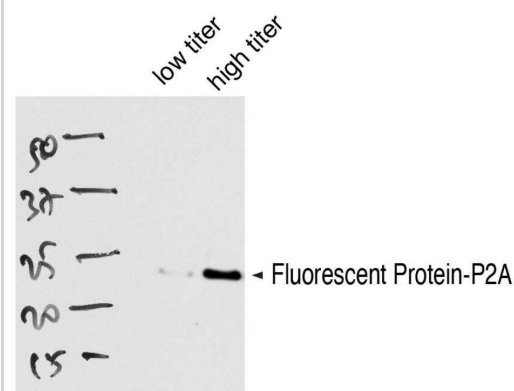


## Images

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

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.

Szulc DA, Lee XA, Cheng HM, Cheng HM. Bright Ferritin-a Reporter Gene Platform for On-Demand, Longitudinal Cell Tracking on MRI *iScience* 2020-07-25 [PMID: 32707432] (WB, 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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### **Products Related to NBP2-59627**

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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