

Product Datasheet

Luciferase Antibody NB100-1677-100ug

Unit Size: 100 ug

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

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NB100-1677-100ug

Luciferase Antibody

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Host	Goat
Species	Human, Firefly
Reactivity Notes	No reactivity is observed against Sea pansy (<i>Renilla reniformis</i>) luciferase.
Specificity/Sensitivity	No reactivity is observed against Sea pansy (<i>Renilla reniformis</i>) luciferase.
Immunogen	Luciferase [<i>Photinus pyralis</i> (Firefly)]
Notes	<p>This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Luciferase [<i>Photinus pyralis</i> (Firefly)]</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:5000, ELISA 1:200-1:1000, Immunohistochemistry 1:1000-1:5000, Immunocytochemistry/Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:5000, Immunohistochemistry-Frozen 1:1000 - 1:5000
Application Notes	This antibody has been tested in Western Blot, IHC, and ELISA. Expect a band ~60kDa in appropriate cell lysates. Although not tested, this antibody would be useful in immunofluorescence, immunoprecipitation, immunocytochemistry, and most immunological methods requiring high titers and specificity.

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Publications

Trieu KG, Tsai SY, Eberl M et al. Basal cell carcinomas acquire secondary mutations to overcome dormancy and progress from microscopic to macroscopic disease *Cell reports* 2022-05-03 [PMID: 35508126] (ICC/IF)

Lu X, Fong KW, Gritsina G et al. HOXB13 suppresses de novo lipogenesis through HDAC3-mediated epigenetic reprogramming in prostate cancer *Nature genetics* [PMID: 35468964] (MiAr)

Noffsinger B, Witter A, Sheybani N Et al. Technical choices significantly alter the adaptive immune response against immunocompetent murine gliomas in a model-dependent manner *Journal of neuro-oncology* 2021-08-25 [PMID: 34432197]

Gutierrez S, Eisenach Jc, Boada Md Seeding of breast cancer cell line (MDA-MB-231LUC+) to the mandible induces overexpression of substance P and CGRP throughout the trigeminal ganglion and widespread peripheral sensory neuropathy throughout all three of its divisions *Molecular pain* 2021-07-07 [PMID: 34229504] (IHC-Fr)

Lazaro-Ibanez E, Faruqu FN, Saleh AF et al. Selection of Fluorescent, Bioluminescent, and Radioactive Tracers to Accurately Reflect Extracellular Vesicle Biodistribution in Vivo *ACS Nano* 2021-01-20 [PMID: 33470092] (WB)

Kang MH, van Lieshout LP, Xu L et al. A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency *Nat Commun* 2020-08-09 [PMID: 32764559] (ICC/IF)

Chen TH, Arra M, Mbalaviele G, Swarnkar G, Abu-Amer Y. Inflammatory Responses Reprogram T(REGS) Through Impairment of Neuropilin-1 *Sci Rep* 2019-07-20 [PMID: 31320680] (IHC-P)

Ohta Y, Nomura E, Shang J, et al. Enhanced oxidative stress and the treatment by edaravone in mice model of amyotrophic lateral sclerosis *J Neurosci Res* 2018-12-20 [PMID: 30565312] (ICC/IF)

Singh RD, Hillestad ML, Livia C, et al. M(3)RNA Drives Targeted Gene Delivery in Acute Myocardial Infarction *Tissue Eng Part A* 2018-07-27 [PMID: 30047313] (ICC/IF)

Vadrot N, Duband-Goulet I, Cabet E, et al. The p.R482W substitution in A-type lamins deregulates SREBP1 activity in Dunnigan-type familial partial lipodystrophy *Hum Mol Genet* 2014-12-20 [PMID: 25524705] (ICC/IF)

Cho H, Herzka T, Zheng W, et al. RapidCaP, a novel GEM model for metastatic prostate cancer analysis and therapy, reveals myc as a driver of Pten-mutant metastasis *Cancer Discov* 2014-01-22 [PMID: 24444712] (IHC-P)

Ozdemir M, Attar A, Kuzu I, et al. Stem cell therapy in spinal cord injury: in vivo and postmortem tracking of bone marrow mononuclear or mesenchymal stem cells *Stem Cell Rev Rep* 2012-05-04 [PMID: 22552878] (ICC/IF, IHC-Fr)

More publications at <http://www.novusbio.com/NB100-1677>





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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-48355-0.1mg	Recombinant Firefly Luciferase His Protein

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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