

Product Datasheet

Luciferase Antibody NB100-1677SS

Unit Size: 0.02 mg

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

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NB100-1677SS

Luciferase Antibody

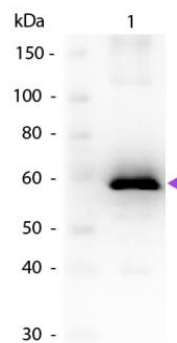
Product Information	
Unit Size	0.02 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Purity	IgG purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Host	Goat
Species	Human, Mouse, Firefly
Species Reactivity	Human reactivity reported in scientific literature (PMID: 25524705)
Specificity/Sensitivity	Luciferase
Immunogen	Luciferase Photinus pyralis (Firefly).

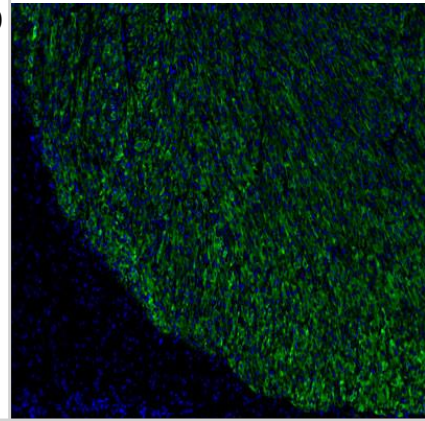
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA 1:200 - 1:1000, Immunocytochemistry/Immunofluorescence 20 ug/ml, Immunohistochemistry 1:1000-1:5000, Immunohistochemistry-Frozen 1:1000 - 1:5000, Immunohistochemistry-Paraffin 1:1000 - 1:5000, Western Blot 1:1000 - 1:5000

Images

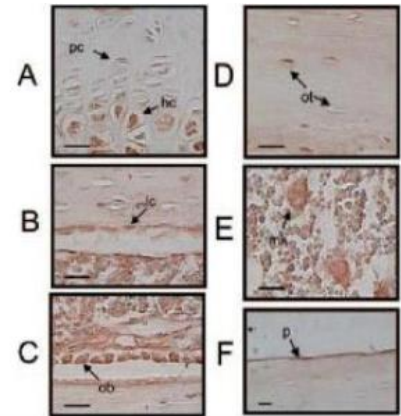
Western Blot: Luciferase Antibody [NB100-1677] - Lane 1: Luciferase.
Lane 2: None.



Immunocytochemistry/Immunofluorescence: Luciferase Antibody [NB100-1677] - Human tumor xenograft expressing firefly luciferase intracranially injected into a mouse brain. Image provided via product review by verified customer.



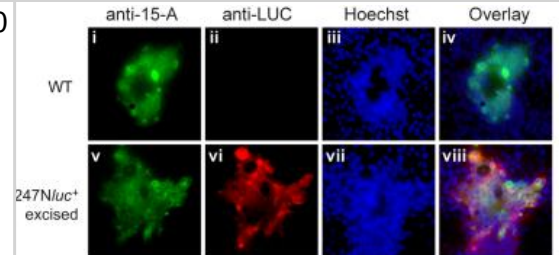
Immunohistochemistry-Paraffin: Luciferase Antibody [NB100-1677] - Luciferase immunostaining was analyzed in tibias from ovx ERE-luciferase mice taken 24 h after a 17-E2 injection. Positive luciferase staining was identified in hypertrophic chondrocytes (hc) (A), lining cells (lc) (B), osteoblasts (ob) (C), a subpopulation (10%) of osteocytes (ot) (upper arrow points at a positively stained osteocyte, whereas the lower depicts a negative osteocyte) (D), and megakaryocytes (E). Faint staining was found on the periosteal surface (p) (F). No background staining was seen when omitting the primary antibody (data not shown). The bar in the lower left corner represents 25 um. pc, Proliferative chondrocyte.



Western Blot: Luciferase Antibody [NB100-1677] - WB analysis of NB100-1677 on Luciferase Protein (NB810-74573).



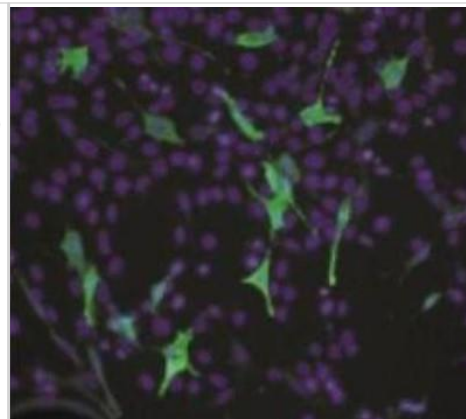
Immunocytochemistry/Immunofluorescence: Luciferase Antibody [NB100-1677] - IF analysis of Luciferase in 247Nluc+ cells. Image provided via product review by verified customer.



In vitro expression of LUC by the 247Nluc+ recombinant strain of Adipogenic Hepatoma 1389F.11. Epifluorescence analysis of LUC expression by AHR1-1 infected splenic MSCs. MSCs were infected with the WT (i to iv) or 247Nluc+ (v to viii) strain five days post-infection. The splenocytes were fixed with 4% paraformaldehyde in PBS, permeabilized in 0.1% NP-40 in PBS, and revealed by indirect immunofluorescence containing, using anti-15-A specific to AHR1-1 glycoprotein complex gp115 and anti-LUC goat polyclonal IgG (5µg/ml) as primary antibodies. Secondary detection was performed with FITC-conjugated rat anti-mouse IgG1/2b and Alexa Fluor 568-conjugated rabbit anti-goat IgG. Cells were counterstained with Hoechst 33342. Original magnification, x200.



Immunohistochemistry-Paraffin: Luciferase Antibody [NB100-1677] - Staining of NIH3T3 cells. Cells (25,000/well) transfected with pLuc plasmid were stained with 20ug/ml NB100-1677 and 1:200 dilution of donkey anti-goat IgG-FITC (green). Cells were mounted with DAPI (blue) and visualized at 200X magnification.



Publications

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 Dec 18 [PMID: 25524705] (ICC/IF, Human)

Sayed D, He M, Yang Z et al. Transcriptional Regulation Patterns Revealed by High Resolution Chromatin Immunoprecipitation during Cardiac Hypertrophy. *J Biol Chem* 2013 Jan 25 [PMID: 23229551] (WB, Firefly)

Dewals B, Myster F, Palmeira L et al. Ex vivo bioluminescence detection of alcelaphine herpesvirus 1 infection during malignant catarrhal fever *J Virol* 2011 Jul [PMID: 21593175] (ICC/IF)

Ozdemir M, Attar A, Kuzu I. Regenerative treatment in spinal cord injury *Curr Stem Cell Res Ther* 2012 Sep 1 [PMID: 22849699]

Yang X, Balakrishnan I, Torok-Storb B, Pillai MM. Marrow Stromal Cell Infusion Rescues Hematopoiesis in Lethally Irradiated Mice despite Rapid Clearance after Infusion *Adv Hematol* 2012 [PMID: 22400029] (IHC, Mouse)

Yang, G et al. Maturation differences in lung NF- α B activation their role in tolerance to hypoxia. *J Clin Invest* 114: 669-678. 2004 [PMID: 15343385] (IHC, Mouse)

Ozdemir M, Attar A, Kuzu I, Ayten M, Ozgencil E, Bozkurt M, Dalva K, Uckan D, K?i?c E, Sancak T, Kanpolat Y, Beksac M. Stem Cell Therapy in Spinal Cord Injury: In Vivo and Postmortem Tracking of Bone Marrow Mononuclear or Mesenchymal Stem Cells. *Stem Cell Rev.* 2012 May 3. [PMID: 22552878] (IHC-Fr, ICC/IF, Mouse)

Kawabata A, Baoum A, Ohta N et al. Intratracheal Administration of a Nanoparticle-Based Therapy with the Angiotensin II Type 2 Receptor Gene Attenuates Lung Cancer Growth. *Cancer Res*;72(8):2057-67. 2012 Apr 15. [PMID: 22389453] (IHC, Mouse)



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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

