

# Product Datasheet

## Luciferase Antibody (Luci 21 1-107) - Azide and BSA Free NBP2-80837

Unit Size: 0.1 ml

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

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**NBP2-80837**

Luciferase Antibody (Luci 21 1-107) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Luci 21 1-107
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Species	Firefly
Reactivity Notes	Photinus pyralis (North American firefly).
Specificity/Sensitivity	This Luciferase Antibody (Luci 21 1-107) is specific for Luciferase, recognizing a peptide consisting of the first 258 amino acids. Further epitope mapping has not been done at this time.
Immunogen	This Luciferase Antibody (Luci 21 1-107) was developed against luciferase protein from Photinus pyralis (North American firefly). [UniProt# P08659].
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:200. Use reported by customer review, Immunohistochemistry 1:100 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:100 - 1:1000, Immunohistochemistry-Paraffin 1:100 - 1:1000, Immunohistochemistry-Frozen reported in scientific literature (PMID 31069316), CyTOF-ready
Application Notes	Western blot has been tested with Drosophila embryos. Purified Luciferase protein and Luciferase expressed in Drosophila adult co-migrate on Western blots with a band seen at ~61 kDa, representing Luciferase.

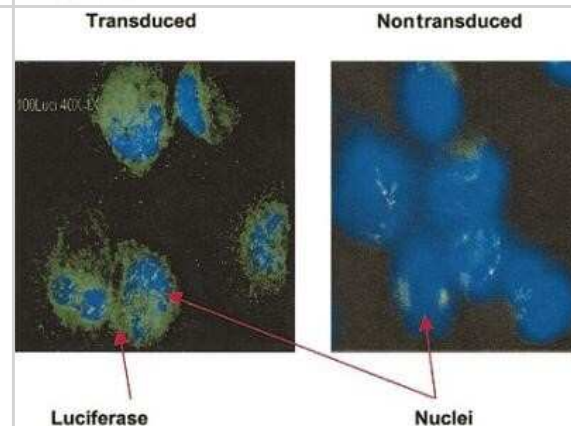


## Images

Western Blot: Luciferase Antibody (Luci 21 1-107) - Azide and BSA Free [NBP2-80837] - WB analysis of NB600-307 on Luciferase Protein (NB810-74573) Image from the standard format of this antibody.

250>  
150>  
100>  
75>  
50>  
37>  
25>  
20>  
15>

Immunohistochemistry: Luciferase Antibody (Luci 21 1-107) - Azide and BSA Free [NBP2-80837] - Detection of Luciferase expression in CD34+ cells by Immunohistochemistry. Cytospin slides prepared from transduced CD34+ cells after 3 days of culture were stained with monoclonal anti-Luciferase antibody. Luciferase-positive cells have green cytoplasm;





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### **Products Related to NBP2-80837**

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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)
NBP2-59648-20ug	Recombinant Renilla reniformis Luciferase His (N-Term) Protein

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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.

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