

bs-8539R**[Primary Antibody]**

Luciferase Rabbit pAb

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ICC/IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Firefly)
Target: Luciferase		
Immunogen: KLH conjugated synthetic peptide derived from Firefly Luciferase: 101-220/550.		
Purification: affinity purified by Protein A		Predicted MW.: 61 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Luciferase from the firefly has become one of the more widely used reporter proteins for the study of gene expression. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg ²⁺ and ATP. Mixing these reagents with the cell extract containing luciferase, results in a flash of light that decays rapidly. This light can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the sample.		

— SELECTED CITATIONS —

- **[IF=16.6]** Fu Xinhua. et al. Key homeobox transcription factors regulate the development of the firefly' s adult light organ and bioluminescence. NAT COMMUN. 2024 Mar;15(1):1-18 WB ;Aquatika leii. 38443352
- **[IF=11.7]** Junju Chen. et al. Lnc-H19-derived protein shapes the immunosuppressive microenvironment of glioblastoma. Cell Reports Medicine. 2024 Oct 30 WB ;Human. 39481387
- **[IF=6.814]** Clara Escudero-Duch. et al. Remote control of transgene expression using noninvasive near-infrared irradiation. J PHOTOCH PHOTOBIO B. 2023 May;242:112697 IHC ;Mouse. 36963296