



Rabbit Anti-Firefly Luciferase antibody

SL8539R

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| Product Name: | Firefly Luciferase |
| Chinese Name: | 荧光素酶抗体 |
| Alias: | Firefly Luciferase; ec 1.13.12.7; Firefly; Firefly Luciferase Luciferase; Luciferin 4 monooxygenase. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Firefly, |
| Applications: | ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 61kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from Firefly Luciferase:101-220/550 |
| Isotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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. |

Function:

Produces green light with a wavelength of 562 nm.

Subcellular Location:

Peroxisome.

Similarity:

Belongs to the ATP-dependent AMP-binding enzyme family.

SWISS:

P08659

Gene ID:

N/A

Database links:

[SwissProt: P08659](#) Firefly (Photinus pyralis)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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