

## Anti-Luciferase Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	(predicted:Firefly)
Molecular Weight:	Theoretical: 61 kDa.
Purification:	Protein A purified

## Applications

Application:	ELISA,ICC/IF
Recommended	ICC/IF: 1:100-500; ELISA: 1:5000-10000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: Firefly Luciferase
Synonyms:	Luciferin 4 monooxygenase.;Firefly;Firefly Luciferase;Firefly Luciferase Luciferase;EC 1.13.12.7
Biology Area:	Luciferase

## Research 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<sup>2+</sup> 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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