

**Product Name: Firefly Luciferase (13Z19) Rabbit
Monoclonal Antibody
Catalog #: AMRe10990**

Summary

Production Name	Firefly Luciferase (13Z19) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Firefly

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	LUCI
Alternative Names	Luciferase; Firefly; Luciferin 4 monooxygenase;
Gene ID	
SwissProt ID	P08659.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	61kDa

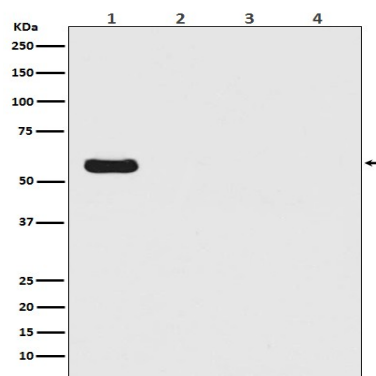
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Background

Produces green light with a wavelength of 562 nm. 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. Produces green light with a wavelength of 562 nm.

Research Area

Image Data



Western blot analysis of Firefly Luciferase Antibody - N-terminal expression in (1) Firefly Luciferase transfected 293T cell lysate; (2) HeLa cell lysate; (3) NIH/3T3 cell lysate; (4) C6 cell lysate.

Note

For research use only.