Product Name: **Firefly Luciferase (13Z19) Rabbit Monoclonal Antibody**
Catalog #: **AMRe10990**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC
Reactivity	Other
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
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

Application

Dilution Ratio	WB 1:2000-1:10000,ICC/IF 1:200-1:500,FC 1:50-1:100
Molecular Weight	61kDa

Antigen Information

Gene Name	LUCI
Alternative Names	Luciferase; Firefly; Luciferin 4 monooxygenase;
Gene ID	
SwissProt ID	P08659
Immunogen	A synthetic peptide of Firefly Luciferase

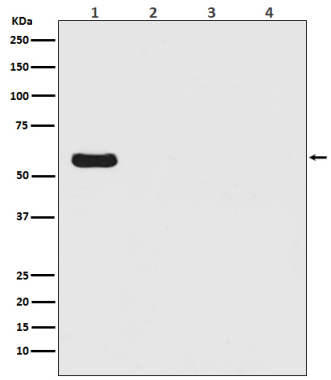
Background

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 Mg2+ 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.