

Firefly Luciferase Antibody

Catalog No: T55401

Reactivity: Firefly

Isotype: Rabbit IgG

Applications: WB ICC/IF



www.ab-mart.com.cn

400-6123-828

Information

UniProt ID: P08659

All Names: Luciferase; Firefly; Luciferin 4 monooxygenase;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

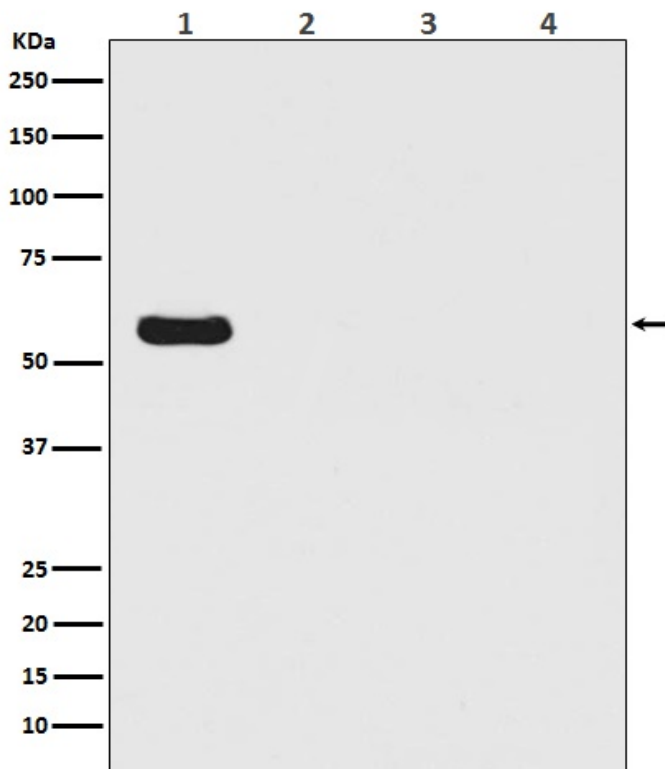
Molecular Wt.: 55kDa

Application

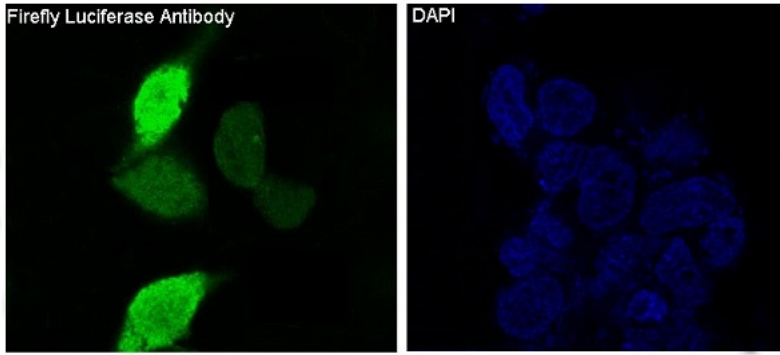
WB 1:500~1:2000 ICC/IF 1:50~1:200

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.



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.



Immunofluorescent analysis of 293 cells transfected with Firefly Luciferase, using Firefly Luciferase Antibody .