10320 Camino Santa Fe, Suite G
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Firefly Luciferase Antibody
Rabbit mAb
Catalog # AP90433

Specification

Firefly Luciferase Antibody - Product Information

Application	**WB, ICC**
Primary Accession	P08659
Reactivity	**Firefly**
Clonality	**Monoclonal**
Other Names	
Luciferase; Firefly; Luciferin 4 monooxygenase;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**60745 Da**

Firefly Luciferase Antibody - Additional Information

Dilution	**WB~~1:1000** **ICC~~N/A**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from Firefly Luciferase**
Description	**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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Firefly Luciferase Antibody - Protein Information

Name LUCI

Function
Produces green light with a wavelength of 562 nm.

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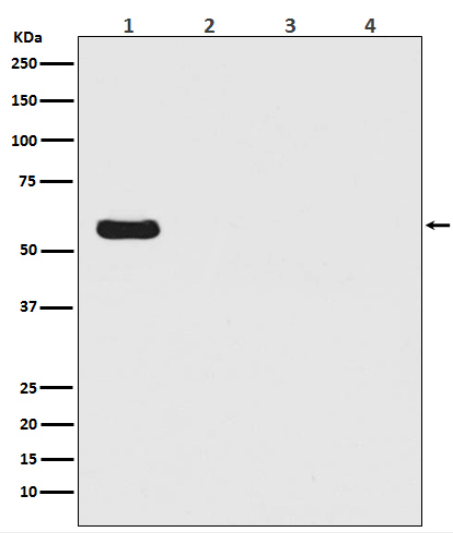
Cellular Location
Peroxisome.

Firefly Luciferase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Firefly Luciferase Antibody - Images



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.