

Product datasheet

Anti-Firefly Luciferase antibody [LAS126A] ab241541

Recombinant

2 Images

Overview

Product name	Anti-Firefly Luciferase antibody [LAS126A]
Description	Rat monoclonal [LAS126A] to Firefly Luciferase
Host species	Rat
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Firefly
Immunogen	Recombinant full length protein. This information is considered to be commercially sensitive.
Positive control	WB: Firefly Luciferase transfected HEK293 (Human embryonic kidney) whole cell lysate.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	LAS126A
Isotype	IgG2b

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab241541 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.115 µg/ml. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa).

Application notes

Is unsuitable for Flow Cyt.

Target

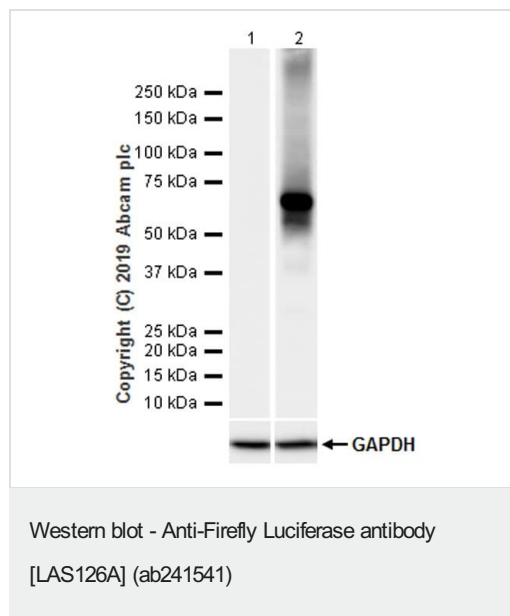
Relevance

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.

Cellular localization

Peroxisome

Images



All lanes : Anti-Firefly Luciferase antibody [LAS126A] (ab241541) at 1/5000 dilution

Lane 1 : Empty vector (vector control) transfected HEK293 (Human embryonic kidney) whole cell lysate

Lane 2 : Firefly Luciferase transfected HEK293 (Human embryonic kidney) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rat IgG H&L (HRP) (**ab205720**) at 1/20000 dilution

Predicted band size: 61 kDa

Observed band size: 61 kDa

Exposure time: 1 second

Blocking and dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Firefly Luciferase antibody [LAS126A]
(ab241541)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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