

Anti-Firefly Luciferase antibody [LAS126A] - BSA and Azide free ab252791

Recombinant

2 Images

Overview

Product name	Anti-Firefly Luciferase antibody [LAS126A] - BSA and Azide free
Description	Rat monoclonal [LAS126A] to Firefly Luciferase - BSA and Azide free
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	ab252791 is the carrier-free version of ab241541 .

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	LAS126A
Isotype	IgG2b

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab252791 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

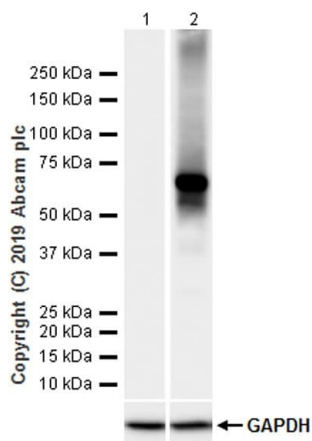
Application	Abreviews	Notes
WB		Use a concentration of 0.115 µg/ml. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa).

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 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.
Cellular localization	Peroxisome

Images



Western blot - Anti-Firefly Luciferase antibody
[LAS126A] - BSA and Azide free (ab252791)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and azide ([ab241541](#)).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Firefly Luciferase antibody [LAS126A] - BSA
and Azide free (ab252791)

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

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