

Luciferase Antibody
Purified Goat Polyclonal Antibody
Catalog # ABV11563**Specification**

Luciferase Antibody - Product Information

Application	WB, IHC, E
Host	Goat
Clonality	Polyclonal
Isotype	Goat IgG

Luciferase Antibody - Additional Information**Other Names**

Chinese Firefly Luciferase

Target/Specificity

Luciferase

Formulation

500 µg (10 mg/ml) goat anti-Luciferase (firefly) polyclonal antibody in 0.02 M potassium Phosphate and 0.15 M sodium chloride, pH 7.2.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

Luciferase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Luciferase Antibody - Protein Information**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 Cytometry](#)

- [Cell Culture](#)

Luciferase Antibody - Images

Luciferase Antibody - Background

The Firefly luciferase is a genetically modified variant derived from the Luciferase of *Diaphanes pectinealis* endemic to Yunnan province, China. It has been modified to provide enhanced stability compared to the normal phenotype of *Photinus pyralis* as well as a broader and more physiologically relevant effective pH range. Luciferase has been used as a sensitive reporter for studying gene regulation and function. Firefly luciferase catalyzes the oxidative carboxylation of luciferin, a reaction with the highest efficiency of any known bioluminescence reaction.