Luciferase (251-550): sc-32896

**BACKGROUND**

Luciferase isolated from the common North American firefly, *Photinus pyralis*, is one of the most extensively studied enzymes that catalyze light production in bioluminescent organisms. Luciferase belongs to the ATP-dependent AMP-binding enzyme family. It produces green light with a wavelength of 562 nM. Following is the chemical catalytic reaction, which is catalyzed by Luciferase:

\[
\text{Photinus Luciferin} + O_2 + ATP \rightarrow \text{oxidized Photinus Luciferin} + \text{CO}_2 + \text{AMP} + \text{diphosphate} + \text{light.}
\]

**REFERENCES**


**SOURCE**

Luciferase (251-550) is a rabbit polyclonal antibody raised against amino acids 251-550 mapping at the C-terminus of Luciferase of *Photinus pyralis* origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.