

Luciferase Polyclonal Antibody

CATALOG #: 3858-200

AMOUNT: 200 µg

LOT #: _____

IMMUNOGEN: Chinese Firefly luciferase (Cat.# 7901-150)

INTERNAL ID#: BV-G48

HOST: Rabbit

FORMULATION:

200 µg (0.5 mg/ml) affinity purified polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

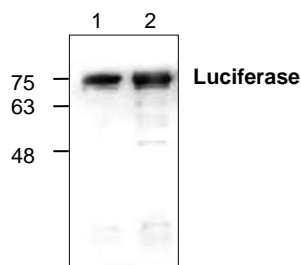
The Firefly luciferase is a genetically modified variant derived from the Luciferase of *Diaphanes pectinealis* endemic to Yunnan province, China. It has been modified to provide enhanced stability compared to the normal phenotype of *Photinus pyralis* as well as a broader and more physiologically relevant 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.

SPECIFICITY:

The antibody recognizes firefly luciferase. Firefly luciferase can be used as a positive control (Cat.# 7901-150).

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1-4 µg/ml). However, the optimal conditions should be determined individually.



Cat. #: 3858-200
Western blot analysis
using Firefly luciferase.
Lane 1: 20 ng
Lane 2: 50 ng

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