

Anti-Luciferase (Firefly) Rabbit Polyclonal Antibody

CATALOG NUMBER: PA-000-0011, 100 µg

Introduction Luciferase is a generic term for the class of oxidative enzymes used in

bioluminescence and is distinct from a photoprotein. 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.

Description Rabbit anti-luciferase polyclonal antibody.

Applications Western blot, ELISA, IP, maybe used for other applications.

Immunogen Firefly luciferase protein (Genebank accession # ABI94443).

Specificity Reacts with firefly luciferase protein. Cross-reactivity to other luciferase proteins not

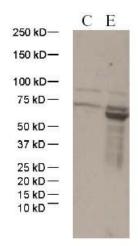
tested.

Purification Immunoaffinity chromatography.

Isotype IgG.

Storage 4 °C for short term (for long-term storage, keep at -20°C or -70°C). Non-hazardous.

Concentration 2 μg/μl.



C: 293 cell extract control

E: 293 cell expressing luciferase (Firefly)