

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 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.
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.

