

**Catalogue No.**

**Qty:**

1.5 mg  
600 µg

## Anti-Luciferase

**Source:** Goat

**General description:** Goat polyclonal antibody to Firefly luciferase. Luciferase is a widely used reporter protein to study gene expression. Luciferase catalyses a bioluminescent reaction which requires luciferin as a substrate, ATP and Mg<sup>2+</sup>. A cell extract containing luciferase mixed luciferin in the presence of ATP and Mg<sup>2+</sup>, results in a flash of light that decays rapidly and can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the sample.

**Alternative names:** : Luc and Luciferin 4-monooxygenase antibody.

**Form:** Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide derived from within residues 340 aa to the C-terminus of Luciferase produced in E. coli.

**Specificity:** In 293HEK cells transfected with cds plasmid detects a band of 62 kDa by Western blot.

**Reactivity:** Reacts with Transfected cells proteins

| Sample            | WB  | IHC (F) | IHC (P) | IF | ELISA |
|-------------------|-----|---------|---------|----|-------|
| Transfected cells | +++ | ND      | ND      | ND | ND    |

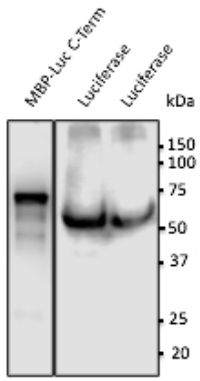
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

WB: 1:500-1:2,000

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

**Special instructions:** The antibody solution should be gently mixed before use..



Anti-Luciferase Ab at 1/500 dilution; 293HEK transduced with lentivirus expressing luciferase; lysates at 100  $\mu$ g per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

#### **SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.