SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0131-200	600 µg
AB0131-500	1.5 mg

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 Mg2+. A cell extract containing luciferase mixed luciferin in the presence of ATP and Mg2+, 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

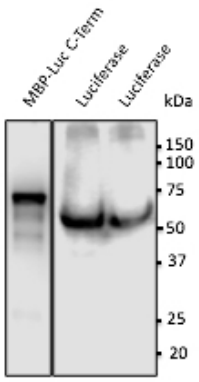
+++ excellent, ++ good, + poor, ND not determined

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 µg 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.