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Datasheet for ABIN964679  
**anti-Luciferase antibody**

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### Overview

Quantity:	100 µg
Target:	Luciferase
Reactivity:	Photinus pyralis
Host:	Goat
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Dot Blot (DB)

### Product Details

Immunogen:	Luciferase [Photinus pyralis (Firefly)] Immunogen Type: NativeProtein
Isotype:	IgG
Specificity:	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Luciferase [Photinus pyralis (Firefly)]. No reactivity is observed against Sea pansy (Renilla reniformis) luciferase.
Sterility:	Sterile filtered

### Target Details

Target:	Luciferase
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## Target Details

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Abstract: [Luciferase Products](#)

## Application Details

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Application Notes: Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, immunocytochemistry, and most immunological methods requiring high titer and specificity.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.

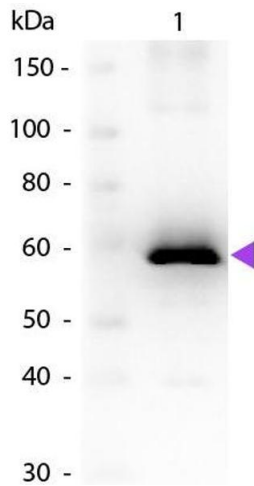
Expiry Date: 12 months

## Publications

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Product cited in: Jung, Warter, Rumpler: "Localization of stromelysin 2 gene to the q22.3-23 region of chromosome 11 by in situ hybridization." in: **Annales de génétique**, Vol. 33, Issue 1, pp. 21-3, (1990) ([PubMed](#)).

Muller, Quantin, Gesnel, Millon-Collard, Abecassis, Breathnach: "The collagenase gene family in humans consists of at least four members." in: **The Biochemical journal**, Vol. 253, Issue 1, pp. 187-92, (1988) ([PubMed](#)).



### Western Blotting

**Image 1.** Western Blot of Goat anti-Luciferase Antibody. Lane 1: Luciferase. Lane 2: None. Load: 50ng per lane. Primary antibody: Luciferase antibody at 1:1000 overnight at 4°C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: ~60 kDa for Luciferase. Other band(s): None.



### Western Blotting

**Image 2.** Western Blot of Goat anti-Luciferase antibody. Marker: Opal Pre-stained ladder . Lane 2: HEK293 lysate . Lane 3: HeLa Lysate . Lane 4: CHO/K1 Lysate . Lane 5: E-coli HCP Control . Lane 6: J774A.1 Lysate. Lane 7: C2C12 Lysate. Lane 8: Mouse Embryonic Fibroblast Lysate . Lane 9: NIH/3T3 Lysate . Lane 10: Mouse Liver Lysate . Lane 11: PC-12 Lysate . Lane 12: Rat Brain Lysate . Lane 13: Rat Testis Lysate. Lane 14: Firefly Luciferase. Marker: Opal Pre-stained ladder Load: 10 µg of lysate or 50ng of purified protein per lane. Primary antibody: Luciferase antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase Goat secondary antibody at 1:40,000 for 60 min at RT. Blocking Buffer: 1% Casein-TTBS for 30 min at RT. Predicted/Observed size: ~60 kDa for Luciferase.