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Datasheet for ABIN5596940
anti-Luciferase antibody (HRP)

1 Publication

Overview

Quantity:	100 µL
Target:	Luciferase
Reactivity:	Firefly
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Luciferase antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Luciferase [Photinus pyralis (Firefly)] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	No reactivity is observed against Sea pansy (Renilla reniformis) luciferase.
Purification:	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-Peroxidase, anti-Goat Serum as well as purified and partially purified Luciferase [Photinus pyralis (Firefly)].

Target Details

Target:	Luciferase
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Target Details

Abstract: [Luciferase Products](#)

Background: Synonyms: HRP, Luciferase Peroxidase, Anti-Luciferase HRP Antibody
Background: Anti-Luciferase Peroxidase conjugated antibody is produced from Photinus pyralis (Firefly) which produces a green light with a wavelength of 562 nm. Expect a band at approximately 60.7 kDa in size corresponding to Luciferase by western blotting in the appropriate cell lysate or extract.

Application Details

Application Notes: Application Note: This product has been assayed against 1.0 µg of Luciferase [Photinus pyralis (Firefly)] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:50,000 to 1:200,000 of the reconstitution concentration is suggested for this product.
Western Blot Dilution: 1:500 - 1:2,000
ELISA Dilution: 1:2,000 - 1:30,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Preservative: Gentamicin sulfate

Precaution of Use: This product contains Gentamicin sulfate: 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.

Handling

Expiry Date: 12 months

Publications

Product cited in: Windahl, Lagerquist, Andersson, Jochems, Kallkopf, Håkansson, Inzunza, Gustafsson, van der Saag, Carlsten, Pettersson, Ohlsson: "Identification of target cells for the genomic effects of estrogens in bone." in: **Endocrinology**, Vol. 148, Issue 12, pp. 5688-95, (2008) ([PubMed](#)).