

Product Datasheet

Renilla Luciferase Antibody

Catalog No: CY5403

Reactivity: Renilla Luciferase

Isotype: Rabbit IgG

Applications: WB ICC/IF



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Information

UniProt ID: P27652

All Names: Renilla Luciferase; Renilla reniformis; Recombinant fragment

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from Renilla Luciferase

Molecular Wt.: 35 kDa

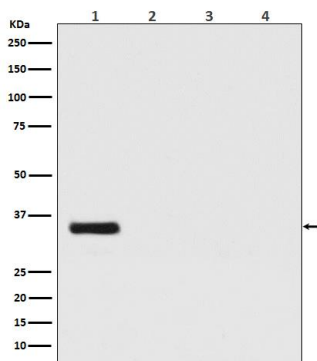
Application

WB: 1:500~1:2000

ICC/IF: 1:50~1:200

Background

Renilla luciferin + O₂ = oxidized Renilla luciferin + CO₂ + light. The Green Renilla luciferase is a 36kDa protein produced by a derivative of the wild type Renilla luciferase gene from the sea pansy, Renilla reniformis. Compared to the wild type luciferase, Green Renilla is more stable in serum and has an the emission spectrum that is shifted toward the green region. The protein provides extremely bright flash signal that decays rapidly.



Western blot analysis of Renilla Luciferase expression in (1) Renilla Luciferase transfected 293 cell lysate; (2) HeLa cell lysate; (3) NIH/3T3 cell lysate; (4) C6 cell lysate.

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