Anti-*Renilla* luciferase antibody, Rabbit IgG fraction, Polyclonal

Cat. No.	A-006
Target:	*Renilla* luciferase [1)]
Synonyms:	Anti-*Renilla* luciferase antibody
Host:	Rabbit
Clonality:	Polyclonal
Subclass (Isotype):	IgG
Immunogen species:	*Renilla reniformis*
Immunogen:	Anti-*Renilla* antibody was raised against recombinant *Renilla* luciferase.[2)]
Reactivity:	High reactivity with *Renilla* luciferase.
Purification:	Protein A purified
Physical state:	Liquid
Buffer:	PBS solution
Preservative:	0.1% Sodium azide (NaN_3)
Recommended Storage:	Store at 4 °C
Shipping condition:	Wet ice only, Standard handling
Size:	0.1 mL
Protein concentrations:	1.0 mg/mL by UV absorbance at 280 nm
Uses:	Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows. ELISA : 1:10,000 Western blot : 1:1,000

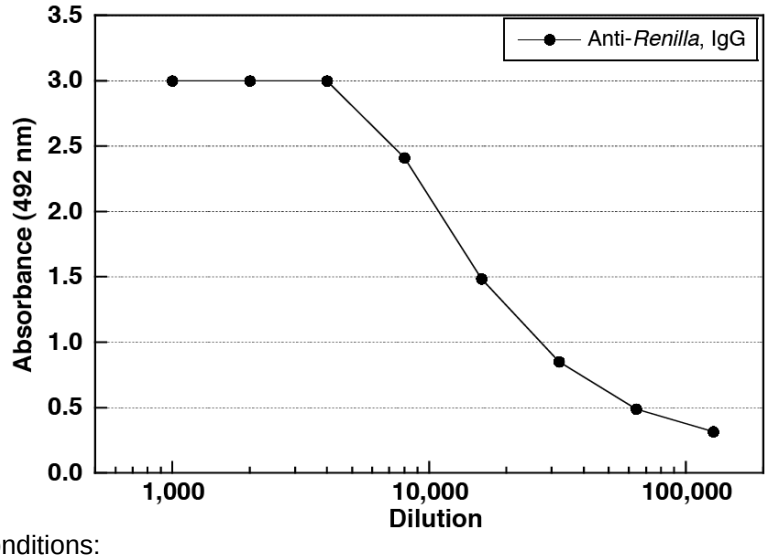
References:

1) Lorenz WW, McCann RO, Longiaru M, Cormier MJ. (1991) Isolation and expression of a cDNA encoding *Renilla reniformis* luciferase. *Proc. Natl. Acad. Sci. USA*.88: 4438-4442. (PMCID: PMC51675).

2) Inouye S, Shimomura O. (1997) The use of *Renilla* luciferase, *Oplophorus* luciferase, and apoaequorin as bioluminescent reporter protein in the presence of coelenterazine analogues as substrate. *Biochem. Biophys. Res. Commun*. 233:349-353 (PMID: 9144537).

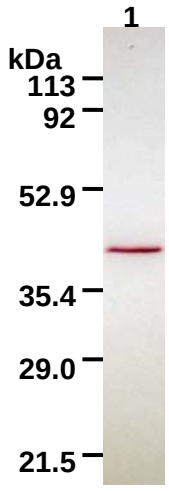
Laboratory Reagent For Research Use Only

Detection of recombinant *Renilla* luciferase by ELISA



Assay conditions:
Antibody: Anti-*Renilla* luciferase antibody, IgG fraction (2.2 mg protein/mL)
Antigen: Recombinant *Renilla* luciferase 5 μg/mL in PBS (100 μL/well), 96-well plate
Blocking: 0.2% Tween 20 in PBS
Detection: HRP-conjugated Goat, anti-rabbit IgG with OPD/H_2O_2

Detection of recombinant *Renilla* luciferase by Western blot analysis



1. Recombinant *Renilla* luciferase (200 ng)

Analytical conditions:
Electrophoresis: 12% SDS-PAGE gel, reducing conditions
Electroblotting: 150 mA, 90 min/Nitrocellulose membrane
Detection:1st. Anti-*Renilla* luciferase antibody, Rabbit IgG (1 mg/mL) 1:1,000, 2nd. AP-conjugated Goat, anti-rabbit IgG(H+L) (1 mg/mL) 1:1,000 with NBT/BCIP

JNC CORPORATION

Anti-*Renilla* luciferase Antibody
Protein A Purified

Produced in Rabbit

Catalog No.	**Size**
A-006	0.1 mL

MATERIAL SAFETY DATA SHEET

Contents Description

This product contains rabbit immunoglobulin G (IgG) protein in PBS with 0.1% Sodium Azide (NaN_3).

Hazardous Ingredients

Rabbit IgG Protein - No known toxicity for this biological material.

Sodium Azide (NaN_3) - CAS No. 26628-22-8
<0.1 %, No hazardous at this concentration.
AZIDE FORMS EXPLOSIVE CHEMICAL COMPOUNDS WITH LEAD AND COPPER PLUMBING. CARE MUST BE TAKEN TO WASH WASTE DOWN DRAINS WITH LARGE VOLUMES OF WATER.
LD50 oral mouse - 27 mg/kg.
Wash all affected areas with large volumes of water and if swallowed consult your physician immediately.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. JNC Corporation shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

Supplier	Contact us
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