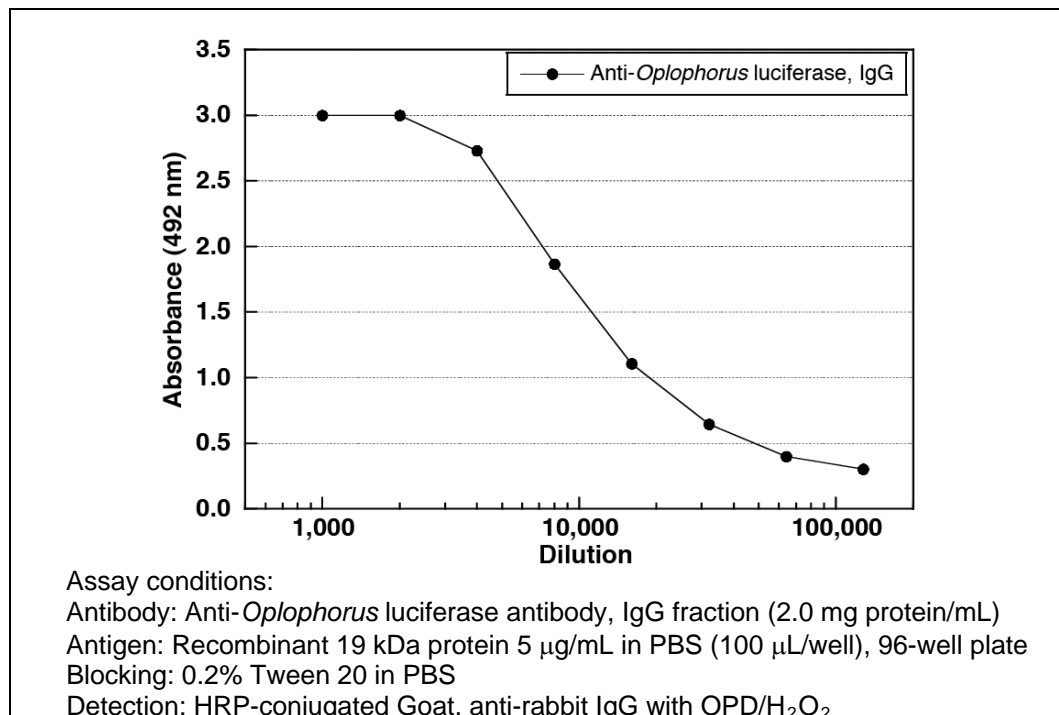
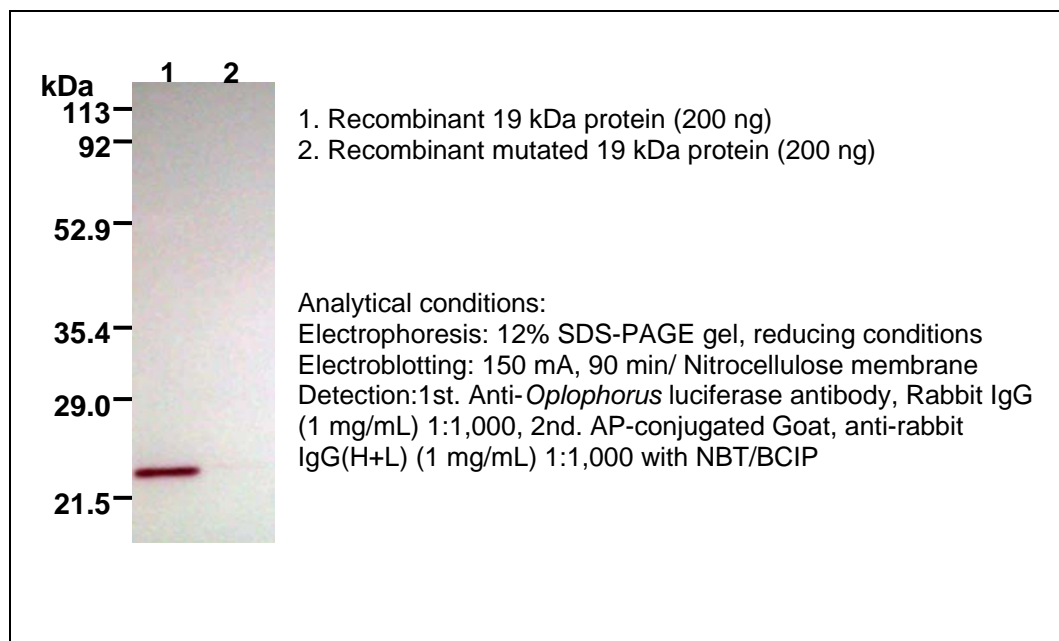


Anti- <i>Oplophorus</i> luciferase antibody, Rabbit IgG fraction, Polyclonal	
<b>Cat. No.</b>	A-003
<b>Target:</b>	<i>Oplophorus</i> luciferase <sup>1)</sup>
<b>Synonyms:</b>	Anti- <i>Oplophorus</i> luciferase antibody
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Subclass (Isotype):</b>	IgG
<b>Immunogen species:</b>	<i>Oplophorus gracilirostris</i>
<b>Immunogen:</b>	Anti- <i>Oplophorus</i> luciferase antibody was raised against native <i>Oplophorus</i> luciferase. <sup>1)</sup>
<b>Reactivity:</b>	Reactivity with 19 kDa and 36 kDa proteins of <i>Oplophorus</i> luciferase <sup>1)</sup> , recombinant 19 kDa protein <sup>2)</sup> and less reactive with mutated 19 kDa protein. <sup>3)</sup>
<b>Purification:</b>	Protein A purified
<b>Physical state:</b>	Liquid
<b>Buffer:</b>	PBS solution
<b>Preservative:</b>	0.1% Sodium azide (NaN <sub>3</sub> )
<b>Recommended Storage:</b>	Store at 4 °C
<b>Shipping condition:</b>	Wet ice only, Standard handling
<b>Size:</b>	0.1 mL
<b>Protein concentrations:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Uses:</b>	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
<b>References:</b>	<ol style="list-style-type: none"> <li><a href="#">1)</a> Inouye S, Watanabe K, Nakamura H, Shimomura O. (2000) Secretional luciferase of the luminous shrimp <i>Oplophorus gracilirostris</i>: cDNA cloning of a novel imidazopyrazinone luciferase <i>FEBS Lett.</i> 481:19-25 (PMID:10984608).</li> <li><a href="#">2)</a> Inouye S, Sasaki S. (2007) Overexpression, purification and characterization of the catalytic component of <i>Oplophorus</i> luciferase in the deep-sea shrimp, <i>Oplophorus gracilirostris</i>. <i>Protein Expr. Purif.</i> 56:261-268 (PMID: 17900925).</li> <li><a href="#">3)</a> Inouye S, Sato J, Sahara-Miura Y, Yoshida S, Kurakata H, Hosoya T. (2013) C6-Deoxy coelenterazine analogues as an efficient substrate for glow luminescence reaction of nanoKAZ: the mutated catalytic 19 kDa component of <i>Oplophorus</i> luciferase. <i>Biochem. Biophys. Res. Commun.</i> 437:23-28 (PMID: 23792095).</li> </ol>
Laboratory Reagent For Research Use Only	
Not for resale without prior written consent from JNC Corporation.	

### Detection of recombinant 19 kDa protein of *Oplophorus* luciferase by ELISA



### Detection of recombinant 19 kDa protein by Western blot analysis



**Anti- *Oplophorus* luciferase Antibody  
Protein A Purified**

Produced in Rabbit

Catalog No.	Size
A-003	0.1 mL

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**MATERIAL SAFETY DATA SHEET****Contents Description**

This product contains rabbit immunoglobulin G (IgG) protein in PBS with 0.1% Sodium Azide ( $\text{NaN}_3$ ).

**Hazardous Ingredients**

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

Sodium Azide ( $\text{NaN}_3$ ) - 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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