

Rabbit Anti-Renilla Luciferase antibody

SLM-52295R

Product Name	Renilla Luciferase
Chinese Name	海鳃海肾萤光素酶 Recombinant rabbit monoclonal anti
Alias	Renilla luciferin 2 monooxygenase; LUCI_RENRE; Coelenterazine h 2-monooxygenase; EC:1.13.12.5; Renilla-luciferin 2-monooxygenase; Renilla-type luciferase; Renilla type luciferase; 海三色堇; 海鳃; 海肾萤光素酶; 荧光酶;
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	2F3
React Species	Sea pansy WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	36kDa
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant Sea pansy Renilla Luciferase protein
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Sea pansy1M TBS(pH7.4) with 1% BSA, Sea pansy3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Upon binding the substrate, the enzyme catalyzes an oxygenation, producing a very short-lived hydroperoxide that cyclizes into a dioxetanone structure, which collapses, releasing a CO ₂ molecule. The spontaneous breakdown of

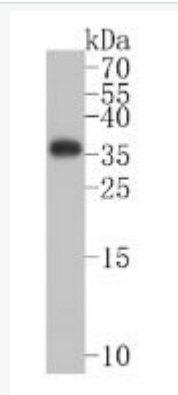
the dioxetanone releases the energy (about 50 kcal/mole) that is necessary to generate the excited state of the coelenteramide product, which is the singlet form of the monoanion. In vivo the product undergoes the process of nonradiative energy transfer to an accessory protein, a green fluorescent protein (GFP), which results in green bioluminescence. In vitro, in the absence of GFP, the product emits blue light.

SWISS:

P27652

Gene ID:

N/A



Product Picture

Western blot analysis of Renilla Luciferase on luciferase recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (SLM-52295R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature