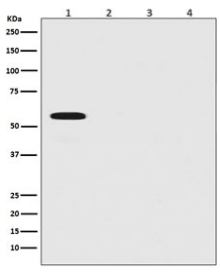
Firefly Luciferase Antibody [clone DAB-6] (RQ5248)

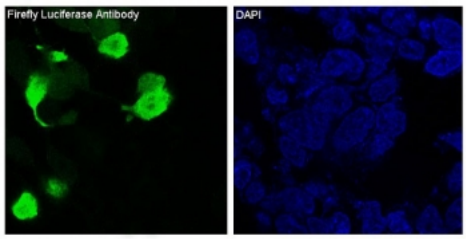
Catalog No.	Formulation	Size
RQ5248	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Firefly luciferase
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DAB-6
Purity	Affinity purified
UniProt	P08659
Applications	Western blot: 1:1000-1:5000 Immunofluorescence: 1:50-1:200
Limitations	This Firefly Luciferase antibody is available for research use only.



Western blot testing of 1) 293T cells transfected with firefly luciferase, 2) human HeLa, 3) mouse NIH3T3 and 4) rat C6 lysate with Firefly Luciferase antibody. Predicted molecular weight ~60 kDa.



Immunofluorescent staining of transfected Firefly Luciferase-293 cells with Firefly Luciferase antibody (green) and DAPI (blue).

Description

Firefly luciferase is the light-emitting enzyme responsible for the bioluminescence of fireflies and click beetles. The enzyme catalyses the oxidation of firefly luciferin, requiring oxygen and ATP. Because of the requirement of ATP, firefly luciferases have been used extensively in biotechnology. [Wiki]

Application Notes

Optimal dilution of the Firefly Luciferase antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to Firefly Luciferase was used as the immunogen for the Firefly Luciferase antibody.

Storage

Store the Firefly Luciferase antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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