

Rabbit anti GFP Polyclonal Antibody

Alternate Names: Green Fluorescent Protein,

ANTIGEN PREPARATION

A full length GFP recombinant protein.

BACKGROUND

The Green Fluorescent Protein (GFP) from the jellyfish *Aequorea victoria* is used as a fluorescent indicator for monitoring gene expression in a variety of cellular systems, including living organisms and fixed tissues. Unlike other bioluminescent reporters, GFP fluoresces in the absence of substrates, cofactors, or other intrinsic or extrinsic proteins. Purified GFP is a 27 kDa monomer consisting of 238 amino acids and emits green light (emission maximum at 509 nm) when excited with blue or UV light.

PURIFICATION

The Rabbit IgG is purified by Affinity Chromatography.

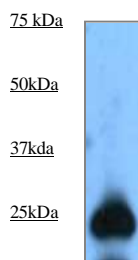
SPECIFICITY

This antibody recognizes ~ 26 kDa of Green Fluorescent Protein. It is a tag antibody.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested
Flow cytometry	Not tested

DATA ATTACHMENTS



Western Blot: The cell lysate of T293 with over-expressed recombinant protein GFP was resolved onto 10% SDS-PAGE, then transferred onto NC membrane. Followed by an immune-blotting with Rabbit anti- GFP (Cat#610-030) at 1:1000.

Order Information

Description: Rabbit anti-GFP
 Catalogue#: 610-030
 Lot#: See the label
 Size: 100 µg/200 ul
 Host: Rabbit
 Clone: N/A
 Application: ELISA, WB, IP
 Reactivity: Tag Antibody

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

MOLECULAR WEIGHT:	26.9 kDa
POSITIVE CONTROL:	Recombinant or native GFP
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

REFERENCES

Prendergast F, Mann K (1978). "Chemical and physical properties of aequorin and the green fluorescent protein isolated from *Aequorea forskålea*". *Biochemistry* 17 (17): 3448-53.

FOR RESEARCH USE ONLY.

UK & Rest of World

184 Milton Park, Abingdon
 OX14 4SE, Oxon, UK
 Tel: +44 (0) 1235 828 200
 Fax: +44 (0) 1235 820 482

Switzerland

Centro Nord-Sud 2E
 CH-6934 Bioggio-Lugano
 Tel: +41 (0) 91 604 55 22
 Fax: +41 (0) 91 605 17 85

Deutschland

Bockenheimer Landstr. 17/19
 60325 Frankfurt/Main
 Tel: +49 (0) 69 779099
 Fax: +49 (0) 69 13376880

United States

23591 El Toro Rd, Suite #167
 Lake Forest, CA 92630
 Tel: + 1 800 987 0985
 Fax: + 1 949 265 7703