

AbboMax, Inc

Innovation at Work

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.

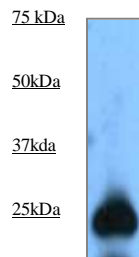
SPECIFICITY

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 µl
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.

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