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## Anti-GFP Purified (To Be Discontinued. Refer to Cat. No. 14-6674)

**Catalog Number:** 14-6774

**Also Known As:** Green fluorescent protein

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

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### Product Information

**Contents:** Anti-GFP Purified (To Be Discontinued. Refer to Cat. No. 14-6674)

**REF** **Catalog Number:** 14-6774

**Clone:** Polyclonal

**Host/Isotype:** Rabbit IgG

**Formulation:** 200 ug/ml rabbit polyclonal IgG in PBS, 0.1% sodium azide, 0.2% gelatin.



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

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### Description

The polyclonal antibody reacts with green-fluorescent protein (GFP). Antibodies were affinity purified using the native GFP immobilized on a solid phase. Green fluorescent protein was originally cloned from the cnidarian, *Aequorea victoria*. This exceptional protein absorbs blue light (maximally at 395 nm) and emits green light (peak at 509) without the requirement of exogenous substrates and cofactors (1). These unique qualities allow GFP to be used to monitor gene expression and protein localization in vivo. Several mutant forms of GFP have been developed which fluoresce more intensely and have shifted excitation maxima when compared to the wild type GFP, making them useful for FACS, fluorescence microscopy, and double-labeling applications (2,3).

### Applications Reported

Purified Anti-GFP poly has been reported for use in immunoprecipitation and immunoblotting (WB).

### Applications Tested

Purified Anti-GFP poly has been tested by immunoblotting (WB). (1:1000-1:5000 starting dilution). It is recommended that this antibody be titrated for optimal performance in the assay of interest.

### References

1. Chalfie M, Tu Y., Euskirchen G., Ward W.W., Prasher D.C. 1994. Green Fluorescent Protein as a Marker for Gene Expression. *Science* 263: 802-805.
2. Cormack B.P., Valdivia R.H., and Falkow S. 1996. FACS-optimized mutants of the green fluorescent protein (GFP). *Gene* 173: 33-38.
3. Rizzuto R., Brini M., De Giorgi F., Rossi R., Heim R., Tsien R.Y., and Pozzan T. 1996. Double labelling of the subcellular structures with organelle-targeted GFP mutants in vivo. *Curr.Biol.* 6:183-188.

### Related Products

18-8816 Rabbit TrueBlot®: Anti-Rabbit IgG HRP

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