

GFP Polyclonal Antibody

CATALOG NO: JM-3999-100 100 µg
CONCENTRATION: 0.5 mg/ml
HOST: Rabbit
IMMUNOGEN: Recombinant EGFP
SPECIES: All

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 0.01 % thimerosal.

BACKGROUND:

Green fluorescent protein (GFP) is a spontaneously fluorescent protein isolated from pacific jellyfish, *Aequorea victoria*. It transduces the blue chemiluminescence into green fluorescent light. Since the molecular cloning of GFP cDNA and demonstration of GFP as a functional transgene, GFP has become a powerful tool with exciting applications in developmental, cell and molecular biology. GFP fluorescence is not species specific and can be expressed in bacteria, yeast, plant and mammalian cells. GFP can fuse with proteins of interest without interfering significantly with their assembly and function.

SPECIFICITY:

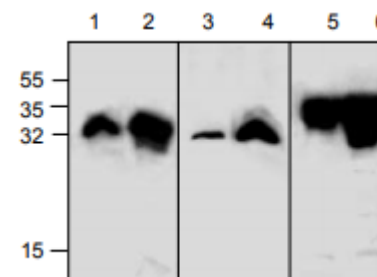
The antibody reacts with GFP, and its variants EGFP, RFP, YFP, and CFP, etc. Recombinant EGFP, RFP, YFP and CFP can be used as positive controls.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). Based on researcher's feedback, it can also be used in immunoprecipitation (10-20 µg/ml). However, the optimal conditions should be determined individually.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.



Western blot analysis of GFP antibody using recombinant RFP (dsRed, Lane 1 & 2), YFP (Lane 3 & 4) and EGFP (Lane 5 & 6).

FOR RESEARCH USE ONLY! Not to be used on humans.