

Anti-GFP antibody, rabbit serum

60-011, 100 ul

Storage: Shipped at 4°C or -20°C, and upon arrival, aliquot and store at -20°C.

Immunogen: Recombinant His-tagged EGFP

Specificity Reactive to all variants of *Aequorea victoria* GFP such as S65T-GFP, RS-GFP, YFP, EGFP, and their-fusion proteins

Applications:

1. Western blotting (dilution: 1/2,000)
2. Immunoprecipitation (assay dependent)
3. Immunofluorescence/Immunohistochemistry (1/4,000)

Form: Antiserum added with 0.05% sodium azide

Background :

The green fluorescent protein (GFP) is composed of 238 amino acids (26.9 kDa), originally isolated from the jellyfish *Aequorea victoria* that fluoresces green when exposed to blue light. In cell and molecular biology, the **GFP** fused gene is frequently used as a reporter of expression and protein localization .

Data Link: Swiss-Prot [P42212](#) (GFP_AEQVI)

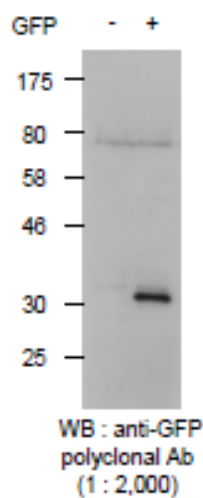


Fig.1 Detection of GFP protein with this antibody by Western blotting.

- : Lysate of 293T cells transfected with an empty vector
- +: Lysate of 293T cells transfected with the plasmid carrying the GFP gene

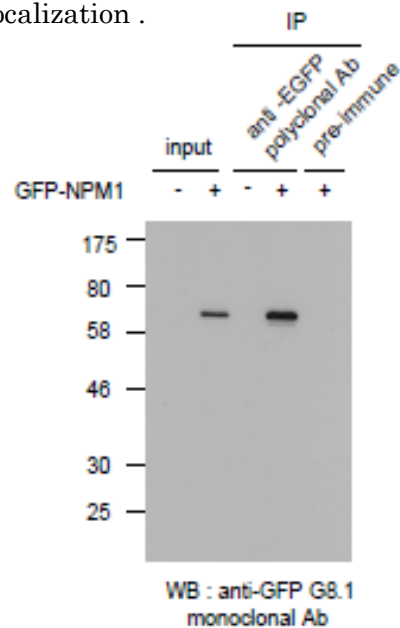


Fig.2 Immunoprecipitation of GFP-tagged protein with this antibody followed by Western blotting.

- : Lysate of 293T cells transfected with an empty vector
- +: Lysate of 293T cells transfected with the plasmid carrying the GFP-tagged NPM1 gene

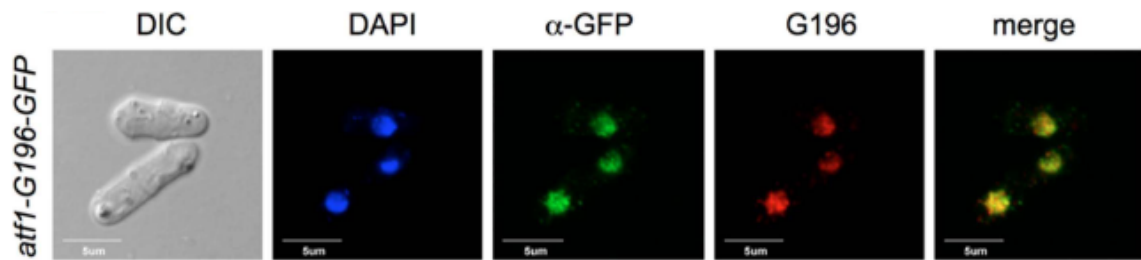


Fig 3. Immunofluorescence of GFP- and G196-tagged nuclear protein in fission yeast cells. Atf1-G196-GFP expressing cells were fixed and incubated with mAb G196 and anti-GFP polyclonal Ab (BioAcademia 60-011), then stained with Alexa-594 anti-mouse and Alexa-488 anti-rabbit secondary antibodies. (This figure is taken from Fig 5 of Tatsumi et al, [Sci Rep.](#) 2017 Mar 7;7:43480 as cited in Reference)

Reference: This antibody was used in the following publication.

Tatsumi K et al, G196 epitope tag system: a novel monoclonal antibody, G196, recognizes the small, soluble peptide DLVPR with high affinity. [Sci Rep.](#) 2017 Mar 7;7:43480. PMID: [28266535](#). WB, IF

Related Product: [60-001](#) anti-GFP monoclonal