

Catalog Number: pabg1

115 Publications

## Basic Information

**Catalog Number:**  
pabg1

**Applications:**  
WB, IF/ICC

**Host/IsoType:**  
Rabbit / IgG

**Conjugate:**  
Unconjugated

**Type:**  
Antibody

**Class:**  
Polyclonal

**RRID:**  
AB\_2749857

**Purification Method:**  
Antigen affinity purification

## Description

Rabbit polyclonal antibody to Green Fluorescent Protein

## Specificity/Target

The antibody recognizes green fluorescent proteins derived from *Aequorea victoria* GFP, such as CFP, EGFP, wtGFP, pHluorin (ecliptic), TagGFP, YFP, pHluorin, GFP.  
For the complete list, please click here: [Fluorescent protein specificity table antibodies](#)

## Recommended Dilution

Western blot: 1:1,000  
IF/ICC: 1:1,000

## Background

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm.

When fused with other proteins, GFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy.

This antibody is a rabbit polyclonal antibody against GFP, reactive to wtGFP, EGFP, CFP, TagGFP, YFP, and pHluorin.

## Storage

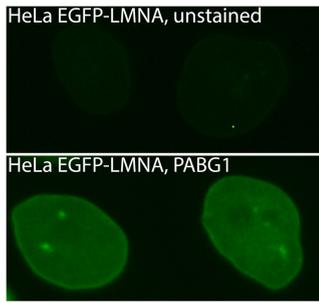
**Storage:**

Shipped on blue ice. Store at +4°C short term (1-2 weeks). Aliquot upon delivery. Store at -20°C or -80°C long term. Avoid freeze-thaw cycles. Stable for one year.

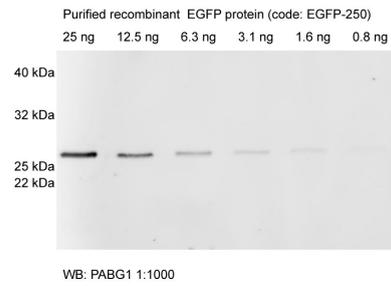
**Storage Buffer:**

Buffered aqueous solution. Preservative: 0.09% Sodium Azide

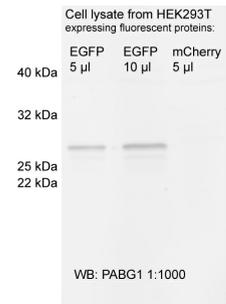
## Selected Validation Data



Immunofluorescence Primary antibody: Anti-GFP PABG1 1:1,000 Secondary antibody: anti-rabbit\_Alexa488 1:500



Western Blot Primary antibody: Anti-GFP PABG1 1:1,000 Secondary antibody: anti-rabbit\_Alexa647 1:2,000



Western Blot Primary antibody: Anti-GFP PABG1 1:1,000 Secondary antibody: anti-rabbit\_Alexa647 1:2,000