

Catalog Number: pabg1

114 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

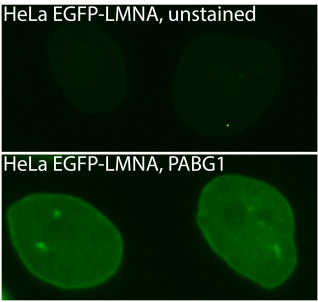
Storage:

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.

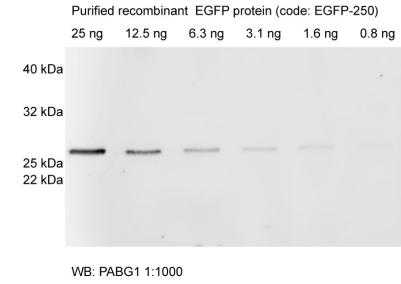
Storage Buffer:

Buffered aqueous solution. Preservative: 0.09% Sodium Azide

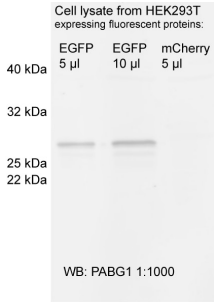
Selected Validation Data



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