

Catalog Number: 3h9

376 Publications

Basic Information

Catalog Number:
3h9**Clone No.:**
3H9**Applications:**
WB**Host/IsoType:**
Rat/IgG2a**Conjugate:**
Unconjugated**Type:**
Primary Antibody**Class:**
Monoclonal**RRID:**
AB_10773374**Purification Method:**
Protein A or G purified

Description

Rat monoclonal antibody [3H9] to Green Fluorescent Proteins

Specificity/Target

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

Recommended Dilution

Western Blot: 1:1,000
Note: GFP antibody [3H9] does not work in immunofluorescence.

Background

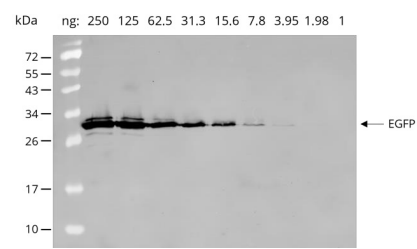
Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It 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 rat monoclonal antibody against GFP, reactive to wtGFP, EGFP, YFP, and CFP.

Storage

Storage:
Shipped on ice. Store at -20°C/-4°F. Stable for 1 year after shipment.

Storage Buffer:
PBS, 50% glycerol, preservative: 0.09% sodium azide.

Selected Validation Data



Dilution series of EGFP in HEK 293T cell lysate
Primary antibody: [3H9] 1:1,000 Secondary
antibody: goat anti-rat Alexa Fluor® 488 1:1,000