

Catalogue No.

AB3477-100

Qty:

300

Anti-TagGFP

Source: Goat

General description: Goat polyclonal antibody to TagGFP. TagGFP is a monomeric green fluorescent protein derived from the jellyfish *Aequorea macrodactyla*. It is an engineered GFP-like protein designed to provide high brightness and improved photostability. TagGFP has a molecular weight of approximately 27 kDa, with optimal excitation at ~482 nm and maximum emission at ~505 nm. It is widely used in molecular and cell biology as a fluorescent reporter to label proteins and study cellular processes such as protein localization, trafficking, and gene expression. The antibody recognizes TagGFP and TagGFP-tagged fusion proteins and can be used to detect their expression in various experimental systems, including Western blotting, immunofluorescence, and immunoprecipitation.

Alternative names: Green fluorescent antibody.

Form: Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant fluorescent protein produced in *E. coli*.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot.

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	IEM
Transfected cells	+++	+++	+++	+++	+++

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:500-1:5,000

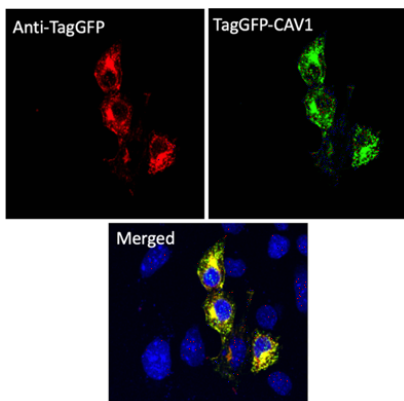
IHC (F): 1:50-1:1,000

IHC (P): 1:50-1:1,000

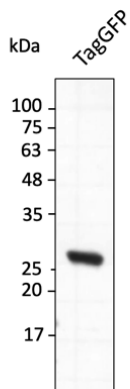
IF: 1:50-1:1,000

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles..



Immunofluorescence – anti-TagGFP Ab using hCEC cells transfected with TagGFP-CAV1; cells were fixed with methanol and anti-TagGFP at 1/250;



Anti-TagGFP Ab at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.