

Anti-sfGFP Antibody

ER1802-92



Product Type: Rabbit polyclonal IgG, primary antibodies

Species reactivity: Species independent

Applications: WB

Description: Tagging proteins with a functional sequence is a powerful way to access function, and inserting tags at endogenous genomic loci allows the preservation of a near-native cellular background. GFP11 is the 11th beta-strand of the superfolder GFP beta-barrel structure. When expressed in the same cell, GFP11 and its complementary GFP fragment (GFP1-10) enable functional GFP tagging upon complementation. The key advantage of the GFP11 is its small size (16 aa): this allows commercial ssDNA oligomers to be used as HDR donors, circumventing any requirement for molecular cloning.

Immunogen: Synthetic peptide immune sequence is RDHMLVLEYVNAAGITC.

Positive control: GFP11-tagged fusion protein.

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

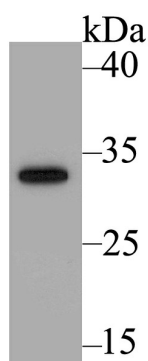


Fig1: Western blot analysis of sfGFP on fusion protein using anti-sfGFP antibody at 1/1,000 dilution.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Leonetti MD et al. A scalable strategy for high-throughput GFP tagging of endogenous human proteins. Proc Natl Acad Sci USA 113(25):E3501-8 (2016).

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