

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

## Product no AS21 4583

## EGFP | Enhanced Green Fluorescence Protein

## **Product information**

**Immunogen** Recombinant GFP from *Aequorea coerulescens* (belt jellyfish) overexpressed and purified from *E.coli*, UniProt:

Q6YGZ

**Host** Rabbit

Clonality Polyclonal

**Purity** Immunogen affinity purified in PBS pH 7.2-7.6, 0.1% trehalose, 5 mM sodium azide.

Format Lyophilized

Quantity 100 μg

**Reconstitution** For reconstitution add 100 μl of sterile water, ultrapure water

Storage Store lypholized antibody at 4 °C. After reconstitution keep aliquots at -20°C for a higher stability. Avoid repetitive freeze/thaw cycles. Centrifuge briefly to remove any insoluble material. Expiry date: 12 months after purchase if

unopened

## **Application information**

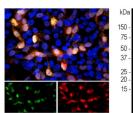
Recommended dilution 1:2000 - 1:5000 (ICC), 1:1000 - 1:5000 (WB)

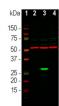
Expected | apparent MW 27 kDa (for GFP without fusion partner)

Confirmed reactivity GFP, EGFP

Not reactive in mCherry

**Selected references** To be added when available.





Left panel: Analysis of GFP expression (green) in transfected HEK293 cells by immunocytochemistry. Cells were stained with rabbit anti-GFP antibody (red, 1:2,000). Blue: Hoechst staining for nuclei. Transfected cells appear orange-yellow due to the green (GFP) and red (anti-GFP antibody) color overlay.

Right panel: Western blot analysis of GFP protein in transfected HEK293 lysate using rabbit antibody to GFP (green, 1:2,000). [1] protein standard, [2] non-transfected control cells, [3] transfected cells with GFP construct, [4] transfected cells with mCherry construct. A strong band at ~27 kDa corresponds to the expected molecular weight of GFP protein detected only in cells transfected with GFP construct. The antibody does not cross-react with mCherry protein. The same blot was simultaneously probed with a mouse antibody to beta-tubulin (red, ~ 50 kDa, lanes 2-4).