

## Anti-GFP-tag

### Description

The GFP-tag, encoding the 26 kDa green fluorescent protein from the jellyfish *Aequorea victoria*, has revolutionized protein localization and live-cell imaging studies. However, in any experimental setup, expression of the correct sized GFP-fusion protein has to be verified by Western blotting. Our affinity-purified polyclonal antibody is ideally suited to detect GFP in Western Blotting applications. It can also be used to detect GFP-derived fluorescent proteins such as CFP, Cerulean, CyPet, YFP, or YPet. Furthermore, this polyclonal antibody has been shown to be superior to monoclonal antibodies, when it comes to immunoprecipitation of GFP.

### Product

**Immunogen:**

Recombinant, full-length GFP derived from *A. victoria*

**Antibody-type:**

rabbit polyclonal

**Concentration:**

1 mg/ml

**Purification:**

Affinity purification by chromatography on GFP-sepharose

**Supplied buffer:**

PBS, pH 7.2, containing 50% glycerol.

### Shipping and storage

**Shipping:**

Antibody is shipped in cold case

**Storage:**

Antibody is stable for 1 month at 4°C.

For prolonged storage, the antibody should be stored at -20°C.

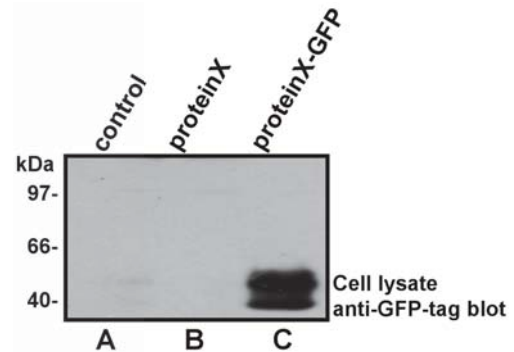
Aliquot to avoid repeated freeze-thaw-cycles.

At -20°C, the product is stable for at least 1 year from shipment.

### Use

For research use only.

Not for diagnostic or therapeutic purposes.



### Western Blotting with the GFP-tag antibody

Lysates from human HEK293 cells transiently transfected with the empty vector (control; lane A) or a eukaryotic expression vector encoding a ~50 kDa protein either without a tag (proteinX; lane B) or with a carboxy-terminal GFP-tag (proteinX-GFP; lane C) were separated by SDS-PAGE and transferred onto a PVDF membrane. The membrane was probed with the anti-GFP-tag antibody (1:500 dilution). Bound antibody was visualized using horseradish peroxidase-coupled Protein A (1:5,000 dilution) and chemiluminescence detection. Exposure time 30 seconds. Each lane contained equal amount of total protein.

### Applications

**Western Blotting:** 1:500 – 1:2,000

**Immunoprecipitation:** 2 µg/sample

Optimal dilutions are dependent on experimental conditions and should be determined by the user.