

Product Datasheet

GFP antibody (orb345367)

Description

GFP antibody

Species/Host

Rabbit

Reactivity

Other

Conjugation

Unconjugated

Tested

ELISA, FC, IF, IHC, IP, WB

Applications

Immunogen

The immunogen is a Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish *Aequorea victoria*.

Preservatives

0.01% (w/v) Sodium Azide

Form/Appearance

Liquid (sterile filtered)

Concentration

1.25 mg/mL

Storage

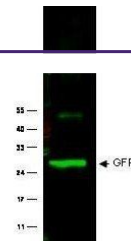
Store Anti-GFP Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. GFP antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Note

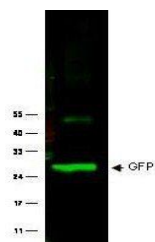
For research use only

Application notes

Anti-GFP antibody is designed to detect GFP and its variants. GFP antibody has been tested by western blot and ELISA. This product can be used to detect GFP by ELISA (sandwich or capture) for the direct binding of antigen and recognizes wild type, recombinant and enhanced forms of GFP. Biotin conjugated polyclonal anti-GFP used in a sandwich ELISA is well suited to titrate GFP in solution using this antibody in combination with Rockland's monoclonal anti-GFP (600-301-215) using either form of the antibody as the capture or detection antibodies. However, use the monoclonal form only for the detection of wild type or recombinant GFP as this form does not sufficiently detect 'enhanced' GFP. The detection antibody is typically conjugated to biotin and subsequently reacted with streptavidin conjugated HRP (code # S000-03). Fluorochrome conjugated polyclonal anti-GFP can be used to detect GFP by immunofluorescence microscopy in prokaryotic (*E. coli*) and eukaryotic (CHO cells) expression systems and can detect GFP containing inserts. Significant amplification of signal is achieved using fluorochrome conjugated polyclonal anti-GFP relative to the fluorescence of GFP alone. For immunoblotting use either alkaline phosphatase or peroxidase conjugated polyclonal anti-GFP to detect GFP or GFP containing proteins on western blots.



Western blot analysis of
Lane 1: Wild ty...



Western blot analysis of
Lane 1: Wild ty...

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