9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

45-1042: Rabbit Polyclonal Antibody to GFP

Clonality :	Polyclonal
Application :	ELISA, WB
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	Purified recombinant full-length GFP protein

Description

Green fluorescence protein (GFP) is a 27 kDa protein derived from jellyfish Aequorea victoria. It emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). GFP has become a very useful tool as a fusion protein to report gene expression, trace cell lineage and define subcellular protein localizations. YFP differs from GFP due to a mutation at T203Y. The antibodies raised against full-length GFP should also detect YFP and other variants. Rabbit Anti-GFP Polyclonal Antibody is developed in rabbit using purified recombinant full-length GFP protein. This polyclonal antibody is highly purified from rabbit antiserum by immunoaffinity chromatography.

Product Info

Amount :	40 µg
Purification :	Immunoaffinity chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 Ã□Âµg/ml.
Western blot: 1-2 Ã□Âµg/ml

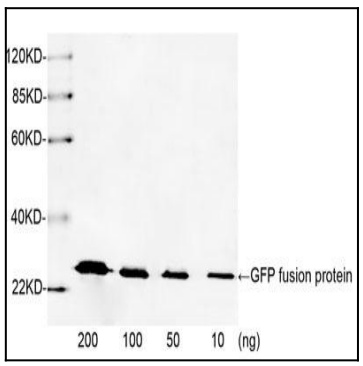


Figure-1 : Western blot analysis of GFP Antibody at 1 µg/ml on GFP fusion protein (200, 100, 50 & 10 ng), IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

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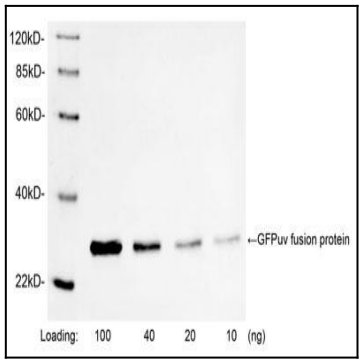


Figure-2 : Western blot analysis of GFP Antibody at 1 µg/ml on GFP uv fusion protein (100, 40, 20 & 10 ng), IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

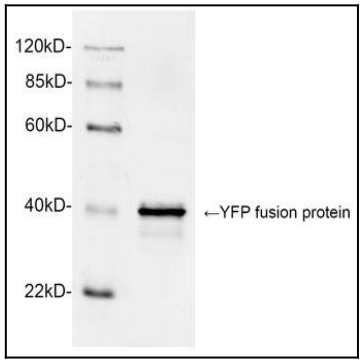


Figure-3 : Western blot analysis of GFP Antibody at 1 µg/ml on YFP fusion protein, IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

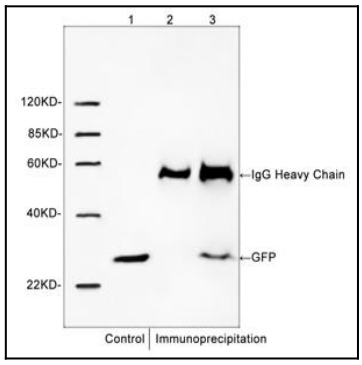


Figure-4 : Western blot analysis of GFP Antibody on immunoprecipitates from lysate expressing GFP, 1: Input control material for lysate expressing GFP protein, 2: Negative control with isotype control, 3: Immunprecipitation with GFP Antibody.

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