

Product datasheet for **AP20142PU-N**

GFP Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Suitable for use in Western Blot (1/5000) and Immunohistochemistry (1/500) using transgenic mice expressing the GFP gene product. Western blots were performed using IgY blocking reagent, and HRP-labeled Goat anti-Chicken antibodies as the detection reagent. Immunohistochemistry used Tetramethyl Rhodamine-labeled anti-Chicken IgY.
Reactivity:	Human, Mouse
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Purified recombinant Green Fluorescent Protein (GFP)
Specificity:	This antibody reacts with Green Fluorescent Protein (GFP).
Formulation:	Sodium Phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), Glycerol (50%, v/v), with Thimerosal (0.01%,w/v) as an anti-microbial agent. State: Aff - Purified State: Liquid purified IgY fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody in the dark at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P42212



[View online »](#)

Background:

Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). Green Fluorescent Protein (GFP) has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein-protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. GFP technology has considerably contributed to a greater understanding of cellular physiology.

Synonyms:

Green fluorescent protein, GFP-Tag