

Product datasheet for **AP21341AF-N**

Luciferase Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Dot blot. Immunoblotting. Indirect Immunofluorescence. <i>Working Dilutions for Non-precipitating antibody-binding techniques: 1/1000-1/10000.</i> This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of choice.
Reactivity:	Photinus pyralis
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Luciferase isolated and purified from Photinus pyralis. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	IgG fraction of Polyclonal Rabbit antiserum to Luciferase from Photinus pyralis. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and enzyme inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins State: Azide Free State: Lyophilized purified hyperimmune IgG fraction
Reconstitution Method:	Restore by adding 1.0 ml sterile distilled water.
Concentration:	lot specific
Conjugation:	Unconjugated



[View online »](#)

Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<u>P08659</u>
Background:	Luciferase from the firefly has become one of the more widely used reporter proteins for the study of gene expression. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg ²⁺ and ATP. Mixing these reagents with the cell extract containing luciferase, results in a flash of light that decays rapidly. This light can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the sample.