

## Product datasheet for **AP21341AF-N**

### Luciferase Rabbit Polyclonal Antibody

#### Product data:

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Product Type:          | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applications:          | ELISA, IF, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Recommended Dilution:  | <b>ELISA.</b><br><b>Dot blot.</b><br><b>Immunoblotting.</b><br><b>Indirect Immunofluorescence.</b><br><i>Working Dilutions for Non-precipitating antibody-binding techniques: 1/1000-1/10000.</i><br>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.<br>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.<br>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.<br>Cross-reactivities against enzymes of other sources may occur but have not been determined.                              |
| Formulation:           | PBS, pH 7.2 without preservatives and foreign proteins<br>State: Azide Free<br>State: Lyophilized purified hyperimmune IgG fraction                                                                                                                                                                                                                                                                                                                                                           |
| Reconstitution Method: | Restore by adding 1.0 ml sterile distilled water.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration:         | lot specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Conjugation:           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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| <b>Storage:</b>       | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                               |
| <b>Stability:</b>     | Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Database Link:</b> | <a href="#">P08659</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Background:</b>    | 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 <sup>2+</sup> 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. |