

AP21360PU-N**Polyclonal Antibody to Horseradish Peroxidase / HRP - Aff - Purified****Quantity:** 1 mg**Concentration:** 2.0 mg/ml

Background: Horseradish Peroxidase (HRP) is an enzyme commonly used as an indicator for chemical reactions which produce peroxide. The enzyme is routinely conjugated to antibodies for use in enzyme-based immunoassay systems. HRP functions in the removal of H₂O₂ (hydrogen peroxide), oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, response to environmental stresses such as wounding, pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.

Host / Isotype: Rabbit / IgG

Immunogen: Peroxidase isolated and purified from Horseradish.
Freund's complete adjuvant is used in the first step of the immunization procedure.

Format: **State:** Lyophilized purified IgG fraction
Purification: Solid Phase Affinity Chromatography
Buffer System: PBS, pH 7.2 stabilized with Dextran without preservatives and foreign proteins
Reconstitution: Restore by adding 0.5 ml of sterile distilled water

Applications: 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 the customer's own choice.
Working dilutions in non-precipitating antibody-binding techniques: 1/1,000-1/10,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: 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.

Storage: Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.
If a slight precipitation occurs upon storage, this should be removed by centrifugation.
Shelf life: one year from despatch.