

Product datasheet for **AP09073SU-N**

Horseradish Peroxidase / HRP Mouse Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most immunological methods requiring high titer and specificity. Dot Blot. Western Blot: 1/500-1/2,000. ELISA: 1/5,000-1/20,000. Immunoprecipitation.
Host:	Mouse
Clonality:	Polyclonal
Immunogen:	Native Peroxidase [Horseradish]
Specificity:	This Peroxidase antibody was prepared from monospecific antiserum by a Delipidation and Defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Peroxidase [Horseradish]. Cross reactivity against Peroxidase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02M Sodium Phosphate, 0.15M Sodium Chloride, pH 7.2 State: Serum State: Lyophilized Serum Stabilizer: None Preservative: 0.01% (w/v) Sodium Azide
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Conjugation:	Unconjugated
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.



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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.