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Product datasheet for R1107

Horseradish Peroxidase / HRP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot, 1/2,000-1/10,000), ELISA (1/20,000-1/100,000), Immunoprecipitation, Immunohistochemistry (1/1,000-1/5,000) and most Immunological methods requiring high titer and specificity.
Reactivity:	Horsereddish
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peroxidase from Horseradish.
Specificity:	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:	0.01M Sodium Phosphate, 0.14M Sodium Chloride, pH 7.6 State: Serum State: Lyophilized Serum Stabilizer: None Preservative: None
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Prepared from monospecific antiserum by a Delipidation and Defibrination
Conjugation:	Unconjugated
Storage:	Store vial at 2-8°C prior to restoration. Restore with deionized water or equivalent; this antibody is stable for one month at 2-8°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use. Avoid repeated freezing and thawing.

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Stability: Shelf life: One year from despatch.

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.