

## Rabbit Anti-HRP

**Cat. Number:** bs-0302R

**Quantity size:** 100ul, 200ul, 1ml

**Concentration:** 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**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 H<sub>2</sub>O<sub>2</sub> (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. HRP binds 1 heme B (iron-protoporphyrin IX) group and 2 calcium ions per subunit. Subunits are monomeric.

**Also known as:** EC 1.11.1.7; Horseradish Peroxidase; HPRC 1; HPRC1; HRP2; HRP2; HRP2; HRPE5; HRPN; Neutral peroxidase; Peroxidase A2; Peroxidase; Peroxidase C1A; Peroxidase C1B; Peroxidase C2; Peroxidase C3; Peroxidase E5; Peroxidase N; PRXC1A; PRXC1B; PRXC2; PRXC3.

**Specificity:**

- Anti-HRP is a rabbit polyclonal antibody, unconjugated
- Immunogen: Horseradish Peroxidase
- Protein A affinity chromatography purification, purity >95%
- Isotype: IgG

**Application:**

- WB=1:100-500 ELISA=1:500-1000 IP=1:20-100 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500
- Not yet tested in other applications.
- Optimal working dilutions must be determined by the end user.

**Storage:** Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.