

Product datasheet

Anti-HRP antibody - Azide free ab34694

Overview

Product name	Anti-HRP antibody - Azide free
Description	Rat polyclonal to HRP - Azide free
Host species	Rat
Tested applications	Suitable for: ELISA, Dot blot, WB, IP, Conjugation
Species reactivity	Reacts with Horseradish.
Immunogen	Horseradish peroxidase.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Constituents: 0.87% Sodium chloride, 0.42% Potassium phosphate
Purity	IgG fraction
Purification notes	This antibody was purified from monospecific antiserum by a multi step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab34694** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		
Dot blot		

Application	Abreviews	Notes
WB		
IP		
Conjugation		

Application notes

Conjugation: Use at an assay dependent dilution.
 Dot blot: Use at an assay dependent dilution.
 ELISA: 1/2000 - 1/10000.
 IP: Use at an assay dependent dilution.
 WB: Use at an assay dependent dilution.
 This antibody is also suitable for most immunological methods requiring high titer and specificity.

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

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.

Cellular localization

Secreted Probable. Vacuole Probable. Note: Carboxy-terminal extension appears to target the protein to vacuoles.

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