

Ig secondary antibody

Anti-Rabbit Ig:HRP Secondary Antibody

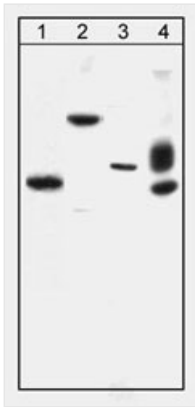
CATALOG # AAA14101	HOST Goat	REACTIVITY Rabbit	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Ig; Polyclonal Secondary Antibody; Anti-Rabbit Ig:HRP Secondary Antibody; Anti-Rabbit Ig:HRP; ZZ R1; Ig secondary antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Rabbit
Clonality	Polyclonal
Specificity	This antibody has been pre-adsorbed with various immunoglobulins from non-rabbit species before affinity-purification using rabbit IgG coupled to agarose beads. Purified goat polyclonal antibody was conjugated to horseradish peroxidase (HRP). This secondary reagent can be used to detect rabbit immunoglobulins in various antibody applications that utilize HRP readouts, such as western blot, ELISA, immunocytochemistry, and immunohistochemistry.
Form/Format	Goat polyclonal antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, and 1mg/ml BSA. Note: Use of sodium azide as preservative substantially inhibits the enzyme activity of HRP.
Applicable Applications for Ig secondary antibody	WB (Western Blot), ELISA
Application Notes	WB: 1:5000 ELISA: 1:10000 ICC: 1:1000 IHC: 1:1000 End user should determine optimal dilution for their particular applications and experiments. Western Blot (WB) membranes were incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature.
Immunogen	The HRP-conjugated goat polyclonal secondary reagent reacts with the heavy chains on rabbit IgG, and the light chains of most rabbit immunoglobulins. The secondary reagent has minimal cross-reactivity with human, mouse, and rat immunoglobulins.
Preparation and Storage	Store at -20 degree C. Stable for 1 year. Note: Use of sodium azide as preservative substantially inhibits the enzyme activity of HRP.



WB (Western Blot)
Western blot analysis of A431cells treated with calyculin A (10 nM) for 30 min. The blot was probed with four different rabbit polyclonal antibodies (lane 1: anti-Akt (Thr-34), lane 2: anti-β-Catenin, lane 3: anti-N-WASP (Ser-484/Ser-485), lane 4: anti-Paxillin (Ser-178). This panel of primary antibodies was then detected using goat anti-rabbit Ig:HRP (1:5,000).

ADDITIONAL INFORMATION

Related Product Information for Ig secondary antibody	An array of chromogenic, fluorogenic and chemiluminescent substrates are available for use with HRP conjugated secondary antibodies HRP is a 40kDa protein that catalyzes the oxidation of substrates by hydrogen peroxide, resulting in a colored or fluorescent product or the release of light as a byproduct of the reaction. HRP functions optimally at a near-neutral pH and can be inhibited by cyanides, sulfides and azides. Antibody-HRP conjugates are superior to antibody-AP conjugates with respect to the specific activities of both the enzyme and antibody. In addition, its high turnover rate, good stability, low cost and wide availability of substrates makes HRP the enzyme of choice for most applications. HRP can be used for chemiluminescent readout in western blot, colorimetric readout in ELISA, and precipitation reactions useful in immunocytochemistry and immunohistochemistry.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.