

## Polyclonal Antibody to Rat IgG (H+L chain) - Biotin

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| <b>Alternate names:</b> | Rat Immunoglobulin G Heavy and Light chain   |
| <b>Catalog No.:</b>     | R1371B   |
| <b>Quantity:</b>        | 2 mg   |
| <b>Concentration:</b>   | 1.1 mg/ml (by UV absorbance at 280 nm)   |
| <b>Host:</b>            | Rabbit   |
| <b>Immunogen:</b>       | Rat IgG whole molecule.  |
| <b>Format:</b>          | <b>State:</b> Lyophilized purified Ig fraction<br><b>Purification:</b> Immunoaffinity Chromatography<br><b>Buffer System:</b> 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2<br><b>Preservatives:</b> 0.01% Sodium Azide<br><b>Stabilizers:</b> 10 mg/ml BSA (IgG and Protease free)<br><b>Label:</b> Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)<br><i>Molar Ratio:</i> 10-20 BAC molecules per Rabbit IgG molecule<br><b>Reconstitution:</b> Restore with 1.0 ml of deionized water (or equivalent).   |
| <b>Applications:</b>    | Suitable for Immunoblotting, ELISA, Immunohistochemistry, Immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.<br><b>Recommended Dilutions:</b><br>ELISA: 1/500,000.<br>Western blot: 1/2,000-1/10,000.<br>Immunohistochemistry: 1/1,000-1/5,000.<br><b>Note:</b> When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| <b>Specificity:</b>     | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.<br>Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Rat IgG and Rat Serum.<br><b>Species:</b> Rat.<br>Other species not tested.   |

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:**

Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.

This antibody is stable for one month at 2-8°C as an undiluted liquid.

Dilute only prior to immediate use.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

**General References:** 1. Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990. (Conjugation)

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