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## Goat anti Rabbit IgG (heavy and light chains), conjugated with Horseradish peroxidase

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[nordicmubio.com/products/goat-anti-rabbit-igg-heavy-and-light-chains-conjugated-with-horseradish-peroxidase/GAR\\_slash\\_IgG\(H\\_plus\\_L\)\\_slash\\_PO](http://nordicmubio.com/products/goat-anti-rabbit-igg-heavy-and-light-chains-conjugated-with-horseradish-peroxidase/GAR_slash_IgG(H_plus_L)_slash_PO)

Catalog number: **GAR/IgG(H+L)/PO**

Clone	Polyclonal
Units	1 ml
Host	Goat
Species Reactivity	Rabbit
Application	Dot blot ELISA Immunoblotting Immunocytochemistry Immunohistochemistry (frozen & paraffin)

### Background

The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in rabbit serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG, antigen or antibody, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in rabbit serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

### Source

Purified normal IgG isolated from pooled rabbit serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

## **Product**

Peroxidase-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 ml sterile distilled water.

*Product Form:* HRP

*Formulation:* Peroxidase-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.

## **Specificity**

Horseradish peroxidase-conjugated IgG fraction of polyclonal Goat antiserum to rabbit IgG, heavy and light chains.

*Species Reactivity:* Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has been tested in double radial immunodiffusion with the following results: Bovine - Dog - Goat - Human + pigeon - Swine + Cat + Duck - Hamster + Monkey + Rat - Turkey - Chicken - Guinea Pig + Horse + Mouse ± Sheep -

## **Applications**

ELISA, Immunocytochemistry, Immunohistochemistry (paraffin), Dot blot, Immunoblotting.

## **Storage**

The lyophilised conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Working dilutions are prepared by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product.

*Shipping Conditions:* Ship at ambient temperature.

## **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.