

## Goat anti Guinea Pig IgG (heavy and light chains) Secondary Antibody

Goat anti Guinea Pig IgG (heavy and light chains), conjugated with Horseradish peroxidase

| CATALOG # | HOST | REACTIVITY | APPLICATIONS                                                                         |
|-----------|------|------------|--------------------------------------------------------------------------------------|
| AAA77612  | Goat | Guinea Pig | Immunoblot, Western Blot, Dot Blot, Immunohistochemistry, Immunocytochemistry, ELISA |

### PRODUCT SYNONYMS

Goat anti Guinea Pig IgG (heavy and light chains); Polyclonal Secondary Antibody; conjugated with Horseradish peroxidase; Goat anti Guinea Pig IgG (heavy and light chains) secondary antibody

### PRODUCT SPECIFICATIONS

|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                                                             | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                                                                       | Guinea Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                                                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                                                                      | Horseradish peroxidase–conjugated IgG fraction of polyclonal Goat antiSerum to Guinea Pig IgG, heavy and light chains                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                                                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for Goat anti Guinea Pig IgG (heavy and light chains) secondary antibody | IB (Immunoblot), DB (Dot Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Type                                                                                     | Secondary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source                                                                                           | Purified normal IgG isolated from pooled guinea pig serum. Freund's complete adjuvant is used in the first step of the immunization procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reconstitution                                                                                   | It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cross 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 not been tested in detail.                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                                                                          | The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions 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 immunoconjugate. |

### ADDITIONAL INFORMATION

|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Goat anti Guinea Pig IgG (heavy and light chains) secondary antibody | 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 guinea pig 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 guinea pig 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. |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Product Categories/Family for Goat anti  
Guinea Pig IgG (heavy and light chains)  
secondary antibody

Conjugated Secondary Antibody; Veterinary

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/goat-anti-guinea-pig-igg-heavy-and-light-chains-secondary-antibody-immunoblot-dot-blot-immunohistochemistry-immunocytochemistry-elisa/77612>