

Rabbit anti Duck IgG (heavy and light chains) Secondary Antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77542	Rabbit	Duck	Immunoblot, Western Blot, Dot Blot, ELISA, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Rabbit anti Duck IgG (heavy and light chains); Polyclonal Secondary Antibody; conjugated with Horseradish peroxidase; Rabbit anti Duck IgG (heavy and light chains) secondary antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Duck
Clonality	Polyclonal
Specificity	Horseradish peroxidase-conjugated IgG fraction of polyclonal rabbit antiserum to duck IgG, heavy and light chains. The reactivity of the antiserum is directed to the Fc and Fab subunits on 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 duck serum, as tested by immunoelectrophoresis and double radial immunodiffusion
Purity/Purification	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography
Applicable Applications for Rabbit anti Duck IgG (heavy and light chains) secondary antibody	IB (Immunoblot), DB (Dot Blot), ELISA, ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Conjugate	HRP
Immunogen	Purified normal IgG isolated from pooled duck serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Preservative	No preservative added, as it may interfere with the antibody.
Source	Purified normal IgG isolated from pooled duck serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Product	Peroxidase-coupled purified hyperimmune rabbit 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, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C.

Species Reactivity Note	<p>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: -</p> <p>Cat: -</p> <p>Chicken: +</p> <p>Dog: -</p> <p>Goat: -</p> <p>Goose: +</p> <p>Human: -</p> <p>Horse: -</p> <p>Mouse: -</p> <p>Monkey: -</p> <p>Pigeon: +</p> <p>Rat: -</p> <p>Sheep: -</p> <p>Swine: -</p> <p>Turkey: -</p> <p>A negative result does not exclude a weak positive reaction in more sensitive techniques.</p>
Physicochemical Characteristics	IgG protein concentration 6.4 mg/ml. Enzyme/IgG protein molar ratio (E/P) is approximately 1.7. No foreign proteins added
Enzyme Marker	Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2)
Conjunction Procedure	Conjugation is carried out using a proprietary modification of the penodate method, followed by several purification steps After each step activity and specificity are tested in a variety of techniques No foreign protein has been added The conjugate is lyophilized to assure stability and long term usage.
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 Rabbit anti Duck IgG (heavy and light chains) secondary antibody	<p>Background: In enzyme-immunocytochemical and immunohistochemical staining for the detection of duck IgG, antigen or antibody, of appropriately treated cell and tissue substrates at the cellular and subcellular level In nonisotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in duck 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.</p>
Product Categories/Family for Rabbit anti Duck IgG (heavy and light chains) secondary antibody	Conjugated Secondary Antibody

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rabbit-anti-duck-igg-heavy-and-light-chains-secondary-antibody-immunoblot-dot-blot-immunocytochemistry-immunohistochemistry-elisa/77542>