

**Chicken IgG (H&L) Rabbit Polyclonal  
ATS-SELECT SECONDARY ANTIBODY**

**Catalog Number:** AS-172  
**Quantity:** 10 milligrams  
**Format:** IgG, Liquid (sterile filtered)  
**Host:** Rabbit  
**Immunogen:** Anti-Chicken IgG (H&L) was produced by repeated immunization with Chicken IgG whole molecule in rabbit.

**Background:** Anti-Chicken IgG Antibody generated in rabbit detects chicken IgY. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.

**Specificity & Preparation:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Chicken IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and Chicken IgG. Some light chain cross reactivity may be observed against chicken immunoglobulins.

**Usage:** Anti-Chicken IgG (H&L) has been tested by ELISA and western blot and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

ELISA 1:200,000 - 1:400,000

Immunohistochemistry 1:1,000 - 1:5,000

Western Blot 1:10,000 - 1:30,000

Working dilutions must be determined by end user.

**Storage:** Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*