

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

Catalog Number: AS-049
Quantity: 2 milliliters
Format: Antiserum, Lyophilized
Host: Goat
Immunogen: Rabbit IgG whole molecule

Background: Anti-Rabbit IgG (H&L) Antibody generated in goat detects reactivity to Rabbit IgG. 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 the Heavy and Light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. 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 composition.

Specificity & Preparation: Anti-Rabbit secondary antibody was prepared from monospecific antiserum by delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Rabbit IgG and Rabbit Serum.

Usage: Anti-Rabbit IgG secondary antibody is suitable for use in various immunoassays. Specific conditions for reactivity and signal detection should be optimized by the end user. This secondary antibody anti-Rabbit is ideal for investigators who routinely perform western blot, immunoprecipitation and more generally immunoassays.

ELISA 1:20,000 - 1:100,000

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

Western Blot 1:2,000 - 1:10,000

Working dilutions must be determined by end user.

Storage: Restore with deionized water (or equivalent), 2.0 mL. Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. 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