

**F(ab')<sub>2</sub> Goat IgG Rabbit Polyclonal Pre-Adsorbed  
ATS-SELECT SECONDARY ANTIBODY**

**Catalog Number:** AS-321  
**Quantity:** 500 micrograms  
**Format:** IgG F(ab')<sub>2</sub>, Liquid (sterile filtered)  
**Host:** Rabbit  
**Immunogen:** Goat IgG whole molecule

**Background:** F(ab')<sub>2</sub> Anti-Goat IgG Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)<sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)<sub>2</sub> fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)<sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. F(ab')<sub>2</sub> anti-Goat IgG antibody is ideal for investigators involved in Serum Protein Component research.

**Specificity & Preparation:** F(ab')<sub>2</sub> Anti-GOAT IgG (H&L) (RABBIT) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. F(ab')<sub>2</sub> Anti-GOAT IgG (H&L) (RABBIT) Antibody assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Goat IgG and Goat Serum. No reaction was observed against anti-Pepsin, anti-Rabbit IgG F(c) or Human Serum Proteins.

**Usage:** F(ab')<sub>2</sub> Anti-GOAT IgG (H&L) (RABBIT) Antibody is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. Specific conditions should be optimized by researcher.

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:** Store vial at 4° C prior to opening. This product is stable for several weeks 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)*