

**Rat IgG IgA IgM (H&L) Goat Polyclonal  
ATS-SELECT SECONDARY ANTIBODY**

**Catalog Number:** AS-283  
**Quantity:** 2 milligrams  
**Format:** IgG, Liquid (sterile filtered)  
**Host:** Goat  
**Immunogen:** Rat IgG, IgA and IgM whole molecules

**Background:** Rat IgM antibody recognizes the mu chain of the Rat IgM. No reaction was observed against Rat IgA or Rat IgG. ELISA was used to confirm specificity at less than 1% cross reactivity against other rat heavy or light chain isotypes. Anti-Rat IgM antibody is ideal with investigators involved in serum component protein research.

**Specificity & Preparation:** Goat-Anti-Rat IgG IgA IgM Antibody was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Rat IgG, Rat IgA and Rat IgM. This reagent is suitable for the detection of all Rat immunoglobulin subclasses and chain combinations.

**Usage:** Goat-Anti-Rat IgG IgA IgM antibody is suitable for use in various immunoassays. Specific conditions for reactivity and signal detection should be optimized by the end user.

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)*