

**Human (kappa chain) Goat Polyclonal
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-216
Quantity: 1 milligram
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Human kappa light chain

Background: The anti-Human κ (kappa chain) Antibody detects the kappa chain subunit. Immunoglobulins are heterotetramers composed of 2 immunoglobulin heavy and 2 immunoglobulin light chains. The immunoglobulin light chain is the small polypeptide subunit of an antibody (immunoglobulin). In humans the light chains can be categorized into kappa type or lambda type and both are used to construct the antigen binding F(ab) region of an antibody along with the variable region of the heavy chain.

Specificity & Preparation: Human κ (kappa chain) Antibody was prepared from monospecific 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. Specificity for kappa chain was confirmed by ELISA minimal cross reactivity against other human heavy or lambda light chain isotypes.

Usage: Anti-Human κ antibody has been tested by ELISA and western blot and is suitable for immunohistochemistry and immunoassays where specificity to the immunoglobulin kappa subunit is desired. Optimal concentrations in immunoassays should be determined by the researcher.

ELISA 1:10,000 - 1:20,000

Immunohistochemistry 1:500 - 1:2,000

Western Blot 1:1,000 - 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