

**GOAT ANTI-RAT LIGHT CHAIN SPECIFIC  
POLYCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	AP202	<b>QUANTITY:</b>	1.0 mg
<b>LOT NUMBER:</b>	xxx	<b>CONCENTRATION:</b>	1.3 mg/mL
<b>EPI TOPE:</b>	Kappa light chain	<b>HOST/ISOTYPE:</b>	Goat IgG
<b>BACKGROUND:</b>	Light chains covalently bound to a pair of heavy chains to form an antibody molecule. Immunoglobulin light chains occur in two types, kappa or lambda. Light chain's mass is about 25,000 Daltons per mole. Each light chain consists of about 250 amino-acids long. These are usually designated by the Greek letters kappa and lambda. The ratio of kappa to lambda found in the immunoglobulin population varies by species.		
<b>SPECIFICITY:</b>	The antibody reacts strongly with native primary antibodies primarily with kappa light chains. It is not suitable for detecting lambda light chains. The antibody does not react with the heavy chain of rat IgG. The antibody has been tested by ELISA and adsorbed to ensure minimal cross-reaction with bovine, goat, horse, human, mouse, rabbit, and sheep immunoglobulins.		
<b>APPLICATIONS:</b>	<u>Western Blotting</u> <u>ELISA</u> <i>Optimal working dilutions must be determined by the end user.</i>		
<b>SPECIES REACTIVITY:</b>	Reacts with rat IgG light chains primarily with kappa light chains. Minimal cross-reaction with bovine, goat, horse, human, mouse, rabbit, and sheep. Reactivity with other species has not been determined.		
<b>IMMUNOGEN:</b>	Prepared from rat IgG light chain.		
<b>PRESENTATION:</b>	Purified by immunoaffinity chromatography. Liquid in 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6.		
<b>STORAGE/HANDLING:</b>	Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt. Avoid repeated freeze/thaw cycles.		

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

***For research use only; not for use as a diagnostic.***

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