

Product datasheet for **AP08132PU-S**

Human Kappa Light Chain Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears): 1/50-1/100 using streptavidin~biotin system or polymer system. FFPE tissue sections require antigen retriever (boiling tissue in 10 mM citrate pH 6.0 for 10-20 minutes, followed by cooling at RT for 15-20 minutes). Recommended positive control: Human tonsil.
Reactivity:	Human, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified human Kappa light chain from human Bence Jones proteins.
Specificity:	This antibody is useful in identification of leukemias, plasmacytomas and certain non-Hodgkin's lymphomas. In normal human serum lambda chains are present 1.6-15.2 mg/ml. In multiple myeloma or B-cell malignancies these levels are increased. Higher amounts are also present in Bence Jones patient's urine. Cellular Localization: Cytoplasmic.
Formulation:	PBS, pH 7.4 containing 0.05% Sodium Azide as preservative and 1% BSA as stabilizer. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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Background:

Human Kappa chain is a 25 kDa light chain present on all 5 immunoglobulin's (IgA, IgG, IgM, IgD, and IgE) and is also present in free form. Kappa and Lambda light chains consists of a variable region and a constant region and can be easily be differentiated by the antigenic properties of a constant region. The ratio of Kappa to Lambda chain is 70:30; most of them are bound to heavy chains of immunoglobulin.