

AP08132PU-N**Polyclonal Antibody to Human Kappa Light Chain - Purified**

Quantity:	1 ml
Concentration:	2.0 mg/ml
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.
Host / Isotype:	Rabbit / IgG
Immunogen:	Purified human Kappa light chain from human Bence Jones proteins. Remarks: Molecular weight of antigen: 25 kDa
Format:	State: Liquid purified Ig fraction. Buffer System: PBS, pH 7.4 containing 0.05% Sodium Azide as preservative and 1% BSA as stabilizer.
Applications:	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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. Species: Human and Monkey. Other species not tested.
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. Shelf life: One year from despatch.
General Readings:	1. Korkolopoulou, P et.al. Leukemia and Lymphoma, 13: 151-159, 1994. 2. Schmid, C. et.al. Am. J. Pathology 94: 1281-1289, 1991. 3. Faure GC et.al. Am. J. Clin. Pathology 94: 571-575, 1990. 4. Picken MM et. al. Arthritis and Rheumatism. 33: 880-884, 1990 5. Faa G et. al. J of Hepatology. 12: 75-82, 1991.