

Mouse anti-Human Kappa light chain Monoclonal Antibody | anti-IGKC antibody

Kappa light chain Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283550	Mouse	Human	Western Blot, Immunohistochemistry, ELISA

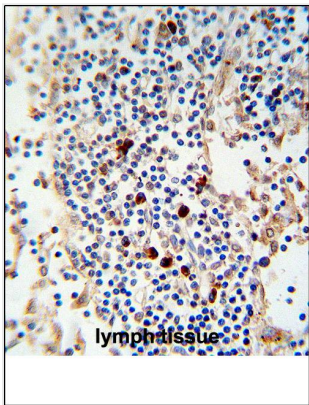
PRODUCT SYNONYMS

Kappa light chain; Monoclonal Antibody; Kappa light chain Antibody; Ig kappa chain C region; IGKC; anti-IGKC antibody

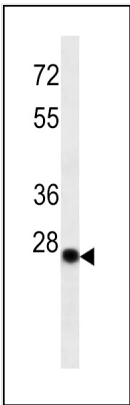
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	HP6053
Specificity	This Kappa light chain monoclonal antibody is generated from mouse immunized with Kappa light chain recombinant protein.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	106
Applicable Applications for anti-IGKC antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Kappa light chain Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Kappa light chain Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Kappa light chain Antibody western blot analysis in human serum protein (35ug/lane). This demonstrates the Kappa light chain antibody detected the Kappa light chain protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IGKC antibody	Immunoglobulins recognize foreign antigens and initiate immune responses such as phagocytosis and the complement system. Each immunoglobulin molecule consists of two identical heavy chains and two identical light chains. There are two types of light chains designated as kappa and lambda (1). Light chain types are based on differences in the amino acid sequence in the constant region of the light chain. If a cell is unsuccessful in rearranging both of its kappa light chain genes, it then attempts to make a lambda light chain. If a cell successfully rearranges a lambda light chain gene, it will be a B cell that makes an immunoglobulin with a lambda light chain (2).
Product Categories/Family for anti-IGKC antibody	Immunology
References	58066: Reimer CB, et al. Evaluation of thirty-one mouse monoclonal antibodies to human IgG epitopes. Hybridoma 3: 263-275, 1984. PubMed: 6209201

NCBI AND UNIPROT INFORMATION

NCBI GI #	125145
NCBI GeneID	3514
UniProt Accession #	P01834; P01601; P04431
Molecular Weight	11609
NCBI Official Full Name	Ig kappa chain C region
NCBI Official Synonym Full Names	immunoglobulin kappa constant
NCBI Official Symbol	IGKC
NCBI Official Synonym Symbols	Km; HCAK1; IGKCD
UniProt Protein Name	Ig kappa chain C region
UniProt Gene Name	IGKC
UniProt Entry Name	IGKC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.