



# Anti-IGKC polyclonal antibody (DPAB2052GH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Goat polyclonal to human Kappa light chain. Goats were immunized with highly purified human kappa chains from normal IgG. Following immunization in Freund's adjuvant the goats were bled, serum collected and the antiserum absorbed with a lambda containing
<b>Antigen Description</b>	The immunoglobulin light chain is the small polypeptide subunit of an antibody (immunoglobulin). A typical antibody is composed of two immunoglobulin (Ig) heavy chains and two Ig light chains. There are two types of light chain in humans (as in other mammals), kappa (κ) chain and lambda (λ) chain. Antibodies are produced by B lymphocytes, each expressing only one class of light chain. Once set, light chain class remains fixed for the life of the B lymphocyte. In a healthy individual, the total kappa to lambda ratio is roughly 2:1 in serum (measuring intact whole antibodies) or 1:1.5 if measuring free light chains, with a highly divergent ratio indicative of neoplasm.
<b>Immunogen</b>	Human Kappa light chain
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IEP, DID, WB
<b>Format</b>	Liquid, PBS pH 7.2
<b>Concentration</b>	Typically 1mg/ml
<b>Size</b>	1 mg
<b>Preservative</b>	None
<b>Storage</b>	2-8°C.

# GENE INFORMATION

Gene Name	<a href="#">IGKC immunoglobulin kappa constant [ Homo sapiens ]</a>
Official Symbol	IGKC
Synonyms	IGKC; immunoglobulin kappa constant; MGC72072; HCAK1; MGC88770; Km; MGC88771; MGC111575; MGC88809; MGC62011; IGKCD
Entrez Gene ID	<a href="#">3514</a>
Chromosome Location	2p12
Pathway	Adaptive Immune System; Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; Initial triggering of complement; Inn
Function	antigen binding