



Anti-GUK1 (aa 100-197) polyclonal antibody (DPAB-DC1514)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is an enzyme that catalyzes the transfer of a phosphate group from ATP to guanosine monophosphate (GMP) to form guanosine diphosphate (GDP). The encoded protein is thought to be a good target for cancer chemotherapy. Several transcript variants encoding different isoforms have been found for this gene.
Immunogen	GUK1 (NP_000849, 100 a.a. ~ 197 a.a) partial recombinant protein with GST tag. The sequence is LDVDLQGVRNIKATDLRPIYISVQPPSLHVLEQQLRQRNTETEESLVKRLAAQADM KEPGLFDVVIINDSLDQAYAELKEALSEEIKKAQRTGA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GUK1 guanylate kinase 1 [Homo sapiens (human)]
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Official Symbol	GUK1
Synonyms	GUK1; guanylate kinase 1; GMK; guanylate kinase; GMP kinase; ATP:GMP phosphotransferase;
Entrez Gene ID	2987
Protein Refseq	NP_000849
UniProt ID	Q16774
Chromosome Location	1q32-q41
Pathway	Abacavir metabolism; Guanine ribonucleotide biosynthesis IMP => Metabolism; Purine metabolism
Function	ATP binding; guanylate kinase activity;
