



Rabbit Anti-GUK1 antibody

SL6247R

Product Name:	GUK1
Chinese Name:	鸟苷酸激酶GMK抗体
Alias:	GMK; GMP kinase; ATP:GMP phosphotransferase; FLJ42686; FLJ43710; GMK; Guanylate kinase; GUK1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Zebrafish,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GUK1/Guanylate kinase:10-100/197
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

Essential for recycling GMP and indirectly, cGMP.

Subunit:

Monomer

Similarity:

Belongs to the guanylate kinase family.
Contains 1 guanylate kinase-like domain.

SWISS:

Q16774

Gene ID:

2987

Database links:

[Entrez Gene: 281217](#) Cow

[Entrez Gene: 2987](#) Human

[Entrez Gene: 14923](#) Mouse

[Entrez Gene: 303179](#) Rat

[Omim: 139270](#) Human

[SwissProt: P46195](#) Cow

[SwissProt: Q16774](#) Human

[SwissProt: Q64520](#) Mouse

[SwissProt: P31006](#) Pig

[Unigene: 376933](#) Human

[Unigene: 3624](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.