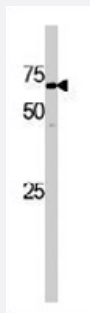


GAK polyclonal antibody

Catalog # PAB3266

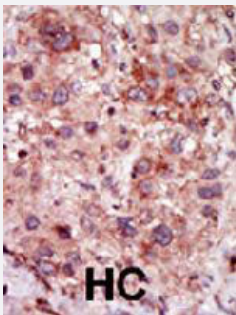
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of GAK polyclonal antibody (Cat # PAB3266) in mouse heart tissue lysate. GAK (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with GAK polyclonal antibody (Cat # PAB3266), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GAK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human GAK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Gene Info — GAK

Entrez GeneID	2580
Protein Accession#	AAH63606:Q6P490
Gene Name	GAK
Gene Alias	FLJ16629, FLJ40395, MGC99654
Gene Description	cyclin G associated kinase
Omim ID	602052
Gene Ontology	Hyperlink
Gene Summary	In all eukaryotes, the cell cycle is governed by cyclin-dependent protein kinases (CDKs), whose activities are regulated by cyclins and CDK inhibitors in a diverse array of mechanisms that involve the control of phosphorylation and dephosphorylation of Ser, Thr or Tyr residues. Cyclins are molecules that possess a consensus domain called the 'cyclin box.' In mammalian cells, 9 cyclin species have been identified, and they are referred to as cyclins A through I. Cyclin G is a direct transcriptional target of the p53 tumor suppressor gene product and thus functions downstream of p53. GAK is an association partner of cyclin G and CDK5. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.](#)

Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Caminci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA,

PNAS 2002 Dec; 99(26):16899.

- [Role of cyclin G-associated kinase in uncoating clathrin-coated vesicles from non-neuronal cells.](#)

Greener T, Zhao X, Nojima H, Eisenberg E, Greene LE.

The Journal of Biological Chemistry 2000 Jan; 275(2):1365.

Application: IF, WB, Human, HeLa cells

- [Structure, expression, and chromosomal localization of human GAK.](#)

Kimura SH, Tsuruga H, Yabuta N, Endo Y, Nojima H.

Genomics 1997 Sep; 44(2):179.

Application: IP, WB-Ce, Human, HeLa cells

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Parkinson Disease](#)