

**GAK Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8061a****Specification**

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**GAK Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q6P490</a> , <a href="#">O14976</a>
Other Accession	<a href="#">P97874</a> , <a href="#">Q99KY4</a> , <a href="#">Q6P490</a> , <a href="#">O14976</a>
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	15-45

**GAK Antibody (N-term) - Additional Information****Target/Specificity**

This GAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of human GAK.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GAK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

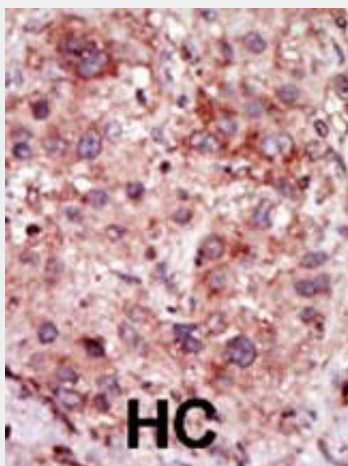
**GAK Antibody (N-term) - Protein Information****GAK Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

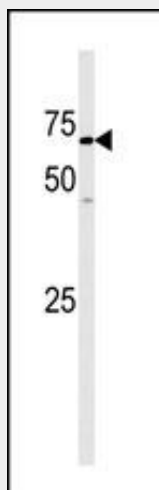
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **GAK Antibody (N-term) - Images**



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



Western blot analysis of anti-hGAK-G30 Pab (Cat. #AP8061a) in mouse heart tissue lysate. hGAK-G30 (arrow) was detected using the purified Pab.

#### **GAK Antibody (N-term) - Background**

GAK, a member of the Ser/Thr protein kinase family, associates with cyclin G and CDK5. It appears to act as an auxilin homolog that is involved in the uncoating of clathrin-coated vesicles by Hsc70 in non-neuronal cells. Expression oscillates slightly during the cell cycle, peaking at G1. GAK localizes to the perinuclear area and to the trans-Golgi network. It is also observed on the plasma membrane, probably at focal adhesions. Expression is ubiquitous, with highest levels in testis. The

protein contains 1 J domain and 1 tensin domain.

#### **GAK Antibody (N-term) - References**

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).  
Greener, T., et al., J. Biol. Chem. 275(2):1365-1370 (2000).  
Kimura, S.H., et al., Genomics 44(2):179-187 (1997).