

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

GAK Antibody (N-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q6P490 , O14976
Other Accession	P97874 , Q99KY4 , Q6P490 , O14976
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

IHC-P~~1:50~100

WB~~1:1000

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.

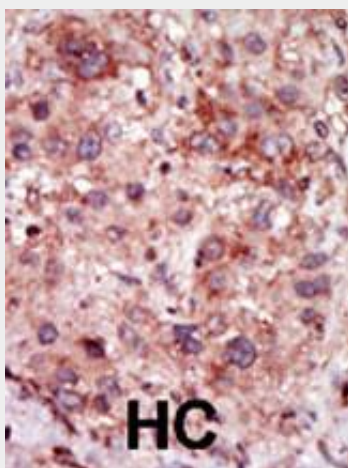
GAK Antibody (N-term) - Protein Information**GAK Antibody (N-term) - Protocols**

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

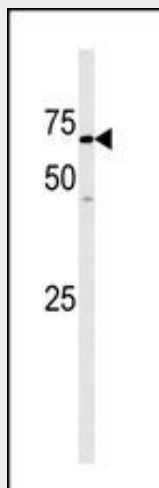
- [Western Blot](#)
- [Blocking Peptides](#)

- [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).