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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

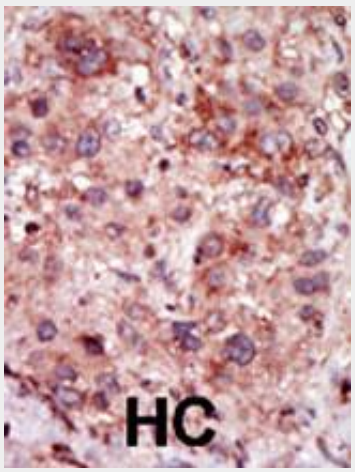
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

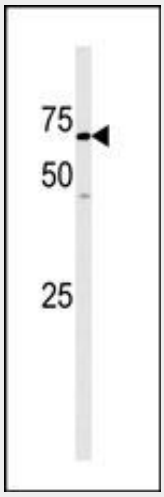
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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 focals adhesions. Expression is ubiquitous, wiht highest levels in testis. The protein contains 1 J domain and 1 tensin domain.

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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).