

GAK Antibody (aa101-150)

Rabbit Polyclonal Antibody Catalog # ALS15952

Specification

GAK Antibody (aa101-150) - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW
Dilution

O14976
Human, Mouse
Rabbit
Polyclonal
143kDa KDa
WB~~1:1000
IHC-P~~N/A
E~~N/A

WB, IHC-P, E

GAK Antibody (aa101-150) - Additional Information

Gene ID 2580

Other Names

Cyclin-G-associated kinase, 2.7.11.1, GAK

Target/Specificity

GAK Antibody detects endogenous levels of total GAK protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

GAK Antibody (aa101-150) is for research use only and not for use in diagnostic or therapeutic procedures.

GAK Antibody (aa101-150) - Protein Information

Name GAK (HGNC:4113)

Function

Associates with cyclin G and CDK5. Seems 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 (PubMed:10625686). May play a role in clathrin-mediated endocytosis and intracellular trafficking, and in the dynamics of clathrin assembly/disassembly (PubMed:18489706).

Cellular Location

Cytoplasm, perinuclear region. Golgi apparatus, trans-Golgi network. Cell junction, focal adhesion. Cytoplasmic vesicle, clathrin-coated vesicle. Note=Localizes to the perinuclear area and to the



trans-Golgi network. Also seen on the plasma membrane, probably at focal adhesions. Recruitment to clathrin- coated vesicles depends on temporal variations in phosphoinositide composition of clathrin-coated vesicles (PubMed:31962345)

Tissue LocationUbiquitous. Highest in testis.

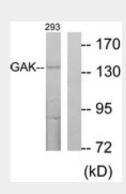
Volume 50 μl

GAK Antibody (aa101-150) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GAK Antibody (aa101-150) - Images



Western blot of extracts from 293 cells, using GAK Antibody.

GAK Antibody (aa101-150) - Background

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GAK Antibody (aa101-150) - References

Kimura S.H., et al. Genomics 44:179-187(1997). Greener T., et al. J. Biol. Chem. 275:1365-1370(2000). Daub H., et al. Mol. Cell 31:438-448(2008). Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008). Gauci S., et al. Anal. Chem. 81:4493-4501(2009).