

GAK Antibody (aa101-150)
Rabbit Polyclonal Antibody
Catalog # ALS15952**Specification**

GAK Antibody (aa101-150) - Product Information

Application	WB
Primary Accession	O14976
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143kDa KDa

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 Location

Ubiquitous. Highest in testis.

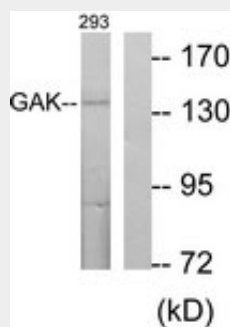
Volume

50 μ l

GAK Antibody (aa101-150) - 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 (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

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Greener T., et al. J. Biol. Chem. 275:1365-1370(2000).
Daub H., et al. Mol. Cell 31:438-448(2008).
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Gauci S., et al. Anal. Chem. 81:4493-4501(2009).