

GAK Polyclonal Antibody

Catalog # AP70017

Specification

GAK Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality

WB, IHC-P, IF 014976 Human, Mouse Rabbit **Polyclonal**

GAK Polyclonal Antibody - Additional Information

Gene ID 2580

Other Names

GAK; Cyclin-G-associated kinase

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

GAK Polyclonal Antibody - 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)



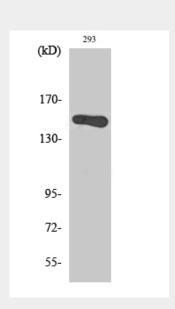
Tissue LocationUbiquitous. Highest in testis.

GAK Polyclonal Antibody - Protocols

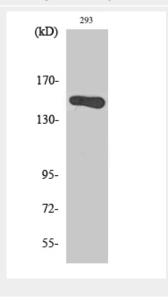
Provided below are standard protocols that you may find useful for product applications.

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

GAK Polyclonal Antibody - Images



Western Blot analysis of various cells using GAK Polyclonal Antibody





Tel: 858.875.1900 Fax: 858.875.1999



Western Blot analysis of various cells using GAK Polyclonal Antibody

GAK Polyclonal Antibody - Background

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