

GAK Polyclonal Antibody

Catalog # AP70017

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O14976
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143191

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 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

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.

Background

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Images



Western Blot analysis of various cells using GAK Polyclonal Antibody

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