

GAK Rabbit pAb

Catalog # AP99267

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14976
Other Accession	Q14976
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143191
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GAK
Epitope Specificity	331-430/1311
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 C2 tensin-type domain. Contains 1 J domain. Contains 1 phosphatase tensin-type domain. Contains 1 protein kinase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Tissue specificity: Ubiquitous. Highest in testis.

Additional Information

Gene ID	2580
Other Names	DNAJ26; DNAJC26; D130045N16Rik; GAK_HUMAN; GAK; DnaJ homolog subfamily C member 26; 2.7.11.1; GAK_MOUSE; cyclin G associated kinase; auxilin-2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.