



Rabbit Anti-GAK protein antibody

SL7912R

Product Name:	GAK protein
Chinese Name:	CyclinG相关激酶抗体
Alias:	Cyclin G associated kinase; Cyclin-G-associated kinase; EC 2.7.11.1; FLJ16629; FLJ40395; GAK; GAK protein; GAK_HUMAN; MGC99654.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	144kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GAK protein:244-330/1311
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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. Function:

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Subcellular Location:

Cytoplasm, perinuclear region. Golgi apparatus, trans-Golgi network. Cell junction, focal adhesion (Probable). Note=Localizes to the perinuclear area and to the trans-Golgi network. Also seen on the plasma membrane, probably at focal adhesions.

Tissue Specificity:

Ubiquitous. Highest in testis.

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.

SWISS:

O14976

Gene ID:

2580

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.