

For Research Use Only

GAK Polyclonal antibody

Catalog Number: 12147-1-AP

1 Publications



Basic Information

Catalog Number:

12147-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2795

GenBank Accession Number:

BC008668

GeneID (NCBI):

2580

UNIPROT ID:

O14976

Full Name:

cyclin G associated kinase

Calculated MW:

134 kDa, 143 kDa

Observed MW:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : human brain tissue,

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

GAK(cyclin-G-associated kinase) belongs to the protein kinase superfamily. GAK plays a more positive role as a modulator of signal transduction, by relaying the phosphorylation signal from an unidentified tyrosine kinase to unidentified GAK phosphorylation targets(PMID:9013862). It may be acting as an auxilin homolog that is involved in the uncoating of clathrin- coated vesicles by hsc70 in non-neuronal cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanchun Zhang	37196766	J Biol Chem	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

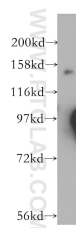
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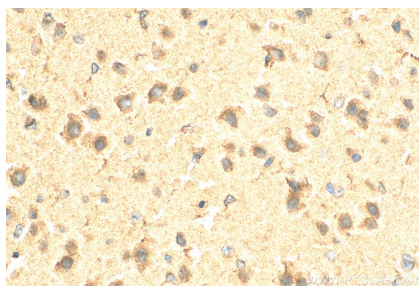
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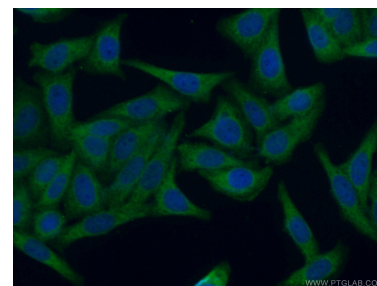
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 12147-1-AP (GAK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12147-1-AP (GAK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 12147-1-AP (GAK antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).