

For Research Use Only

GAK Polyclonal antibody

Catalog Number: 12147-1-AP **1 Publications**



Basic Information

Catalog Number: 12147-1-AP	GenBank Accession Number: BC008668	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2580	Recommended Dilutions: WB 1:500-1:1000 IHC 1:250-1:1000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O14976	
Isotype: IgG	Full Name: cyclin G associated kinase	
Immunogen Catalog Number: AG2795	Calculated MW: 134 kDa, 143 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : human brain tissue, IHC : mouse brain tissue, IF : HepG2 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	
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

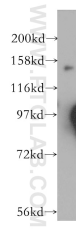
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

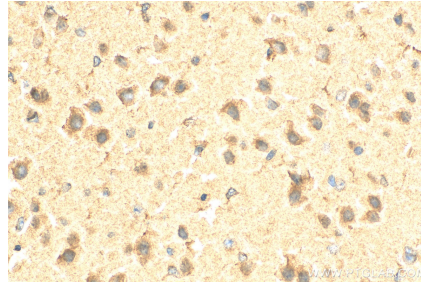
For technical support and original validation data for this product please contact:
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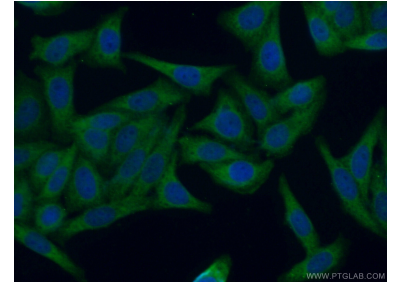
Selected Validation Data



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).