

## Summary

<b>Production Name</b>	GAK Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	GAK
<b>Alternative Names</b>	GAK; Cyclin-G-associated kinase
<b>Gene ID</b>	2580.0
<b>SwissProt ID</b>	O14976.The antiserum was produced against synthesized peptide derived from human GAK. AA range:101-150

## Application

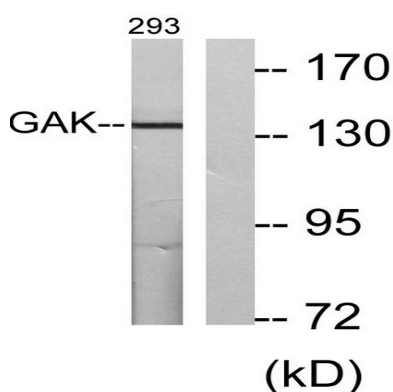
<b>Dilution Ratio</b>	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other applications.
<b>Molecular Weight</b>	144kDa

## Background

cyclin G associated kinase(GAK) Homo sapiens In all eukaryotes, the cell cycle is governed by cyclin-dependent protein kinases (CDKs), whose activities are regulated by cyclins and CDK inhibitors in a diverse array of mechanisms that involve the control of phosphorylation and dephosphorylation of Ser, Thr or Tyr residues. Cyclins are molecules that possess a consensus domain called the 'cyclin box'. In mammalian cells, 9 cyclin species have been identified, and they are referred to as cyclins A through I. Cyclin G is a direct transcriptional target of the p53 tumor suppressor gene product and thus functions downstream of p53. GAK is an association partner of cyclin G and CDK5. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,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.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.,similarity:Contains 1 C2 tensin-type domain.,similarity:Contains 1 J domain.,similarity:Contains 1 phosphatase tensin-type domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Localizes to the perinuclear area and to the trans-Golgi network. Also seen on the plasma membrane, probably at focals adhesions.,tissue specificity:Ubiquitous. Highest in testis.,

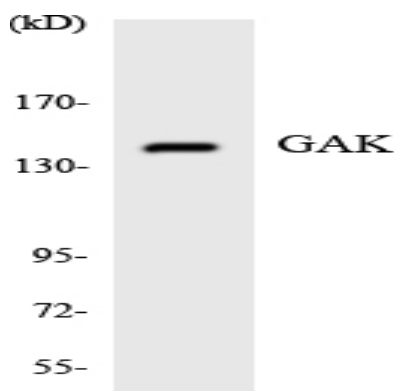
## Research Area

## Image Data

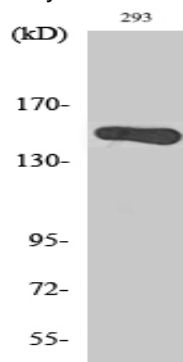


Western blot analysis of lysates from 293 cells, using GAK Antibody. The lane on the right is blocked with the synthesized peptide.

**Product Name: GAK Rabbit Polyclonal Antibody**  
**Catalog #: APRab11258**



Western blot analysis of the lysates from HepG2 cells using GAK antibody.



Western Blot analysis of various cells using GAK Polyclonal Antibody

## **Note**

For research use only.