

产品名称: GAK Rabbit Polyclonal Antibody
产品货号: APRab11258



产品概述 (Summary)

产品名称 (Production Name)	GAK Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GAK
别名 (Alternative Names)	GAK; Cyclin-G-associated kinase
基因 ID (Gene ID)	2580.0
蛋白 ID (SwissProt ID)	O14976.The antiserum was produced against synthesized peptide derived from human GAK. AA range:101-150

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	144kDa

研究背景 (Background)

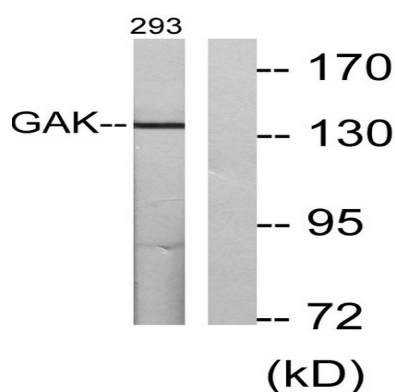
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cyclin G associated kinase(GAK) Homo sapiens In all eukaryotes, the cell cycle is governed by cyclin-dependent protein kinases (CDKs), whose activities are regulated by cyclins and CDK inhibitors in a diverse array of mechanisms that involve the control 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 focal adhesions., tissue specificity: Ubiquitous. Highest in testis.,

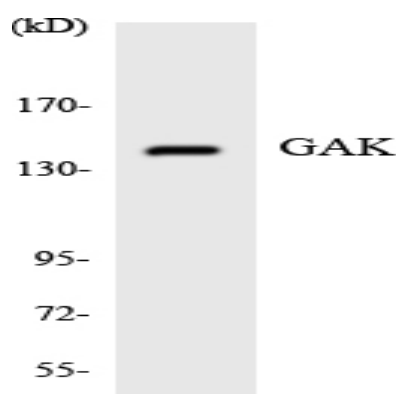
研究领域 (Research Area)

图片 (Image Data)

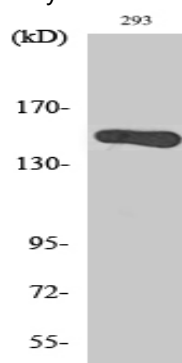


Western blot analysis of lysates from 293 cells, using GAK Antibody. The lane on the right is blocked with the synthesized peptide.

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



Western Blot analysis of various cells using GAK Polyclonal Antibody

注意事项 (Note)

For research use only .