

# GAK rabbit pAb

Cat No.:ES2393

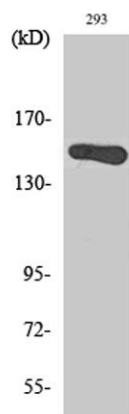
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## Overview

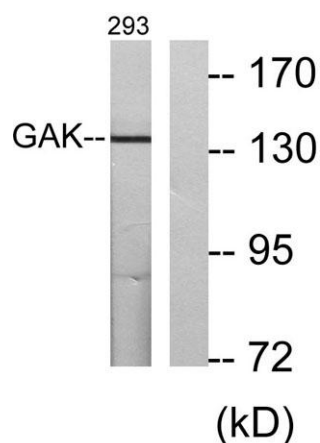
Product Name	GAK rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GAK. AA range:101-150
Specificity	GAK Polyclonal Antibody detects endogenous levels of GAK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cyclin-G-associated kinase
Gene Name	GAK
Cellular localization	Cytoplasm, perinuclear region . Golgi apparatus, trans-Golgi network . Cell junction, focal adhesion . Localizes to the perinuclear area and to the trans-Golgi network. Also seen on the plasma membrane, probably at focal adhesions.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	144kD
Human Gene ID	2580
Human Swiss-Prot Number	O14976
Alternative Names	GAK; Cyclin-G-associated kinase
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],



Western Blot analysis of various cells using GAK Polyclonal Antibody

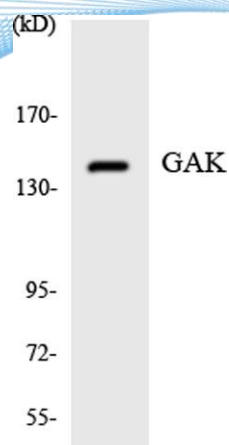


Western blot analysis of lysates from 293 cells, using GAK Antibody. The lane on the right is blocked with the synthesized peptide.

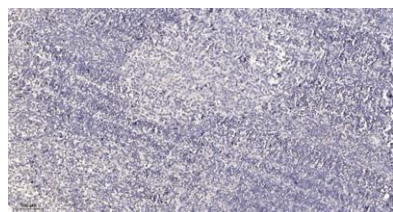




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Western blot analysis of the lysates from HepG2 cells using GAK antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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