

Datasheet for ABIN392633
anti-GAK antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	GAK
Binding Specificity:	AA 1140-1170, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1140-1170 amino acids from the C-terminal region of human GAK.
Clone:	RB3949-3950
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GAK
Alternative Name:	GAK (GAK Products)
Background:	GAK, a member of the Ser/Thr protein kinase family, associates with cyclin G and CDK5. It

Target Details

appears 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. GAK localizes to the perinuclear area and to the trans-Golgi network. It is also observed on the plasma membrane, probably at focal adhesions. Expression is ubiquitous, with highest levels in testis. The protein contains 1 J domain and 1 tensin domain.

Molecular Weight: 143191

Gene ID: 2580

NCBI Accession: [NP_005246](#)

UniProt: [O14976](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

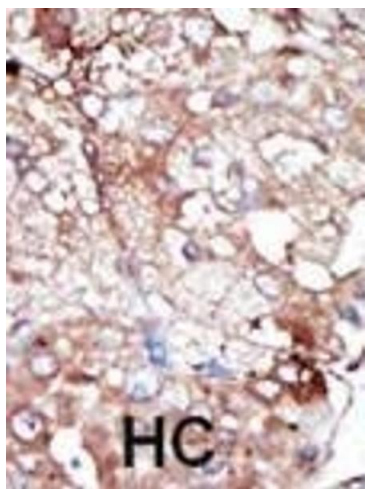
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

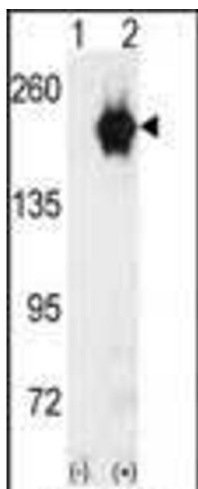
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of GAK (arrow) using GAK Antibody (C-term) (ABIN392633 and ABIN2842139). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the GAK gene (Lane 2) (Origene Technologies).