

# Product Information

## Recombinant Anti-Human GAK Single Domain Antibody

Cat. No.: **NAB-L110**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Single Domain Antibody to human GAK.

### Antigen Description

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.

### Specific Activity

Tested positive against native human antigen.

### Target

GAK

### Immunogen

The details of the immunogen for this antibody are not available.

### Source

llama

### Species Reactivity

Human

### Type

llama Single Domain Antibody

### Expression Host

E.coli

### Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

## ANTIGEN GENE INFORMATION

### Gene Name

[GAK cyclin G associated kinase \[ Homo sapiens \]](#)

### Official Symbol

GAK

### Synonyms

GAK; cyclin G associated kinase; cyclin-G-associated kinase; auxilin 2; DNAJC26; auxilin-2; DNAJ26; FLJ16629; FLJ40395; MGC99654;

**Gene ID**

[2580](#)

**mRNA Refseq**

[NM\\_005255](#)

**Protein Refseq**

[NP\\_005246](#)

**MIM**

[602052](#)

**UniProt ID**

O14976

**Chromosome Location**

4p16

**Pathway**

Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;

**Function**

ATP binding; cyclin binding; heat shock protein binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups;