

Datasheet for ABIN7143254

**anti-Acylglycerol Kinase antibody (AA 32-65)**

3 Images

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## Overview

Quantity:	100 µg
Target:	Acylglycerol Kinase (AGK)
Binding Specificity:	AA 32-65
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acylglycerol Kinase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Acylglycerol kinase, mitochondrial protein (32-65AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	Acylglycerol Kinase (AGK)
Alternative Name:	AGK ( <a href="#">AGK Products</a> )
Background:	Background: Lipid kinase that can phosphorylate both monoacylglycerol and diacylglycerol to form lysophosphatidic acid (LPA) and phosphatidic acid (PA), respectively. Does not

## Target Details

phosphorylate sphingosine. Overexpression increases the formation and secretion of LPA, resulting in transactivation of EGFR and activation of the downstream MAPK signaling pathway, leading to increased cell growth.

Aliases: 2610037M15Rik antibody, 6720408I04Rik antibody, Acylglycerol Kinase antibody, Acylglycerol kinase mitochondrial antibody, Acylglycerol kinase, mitochondrial antibody, agk antibody, AGK\_HUMAN antibody, A1465370 antibody, FLJ10842 antibody, hAGK antibody, HsMuLK antibody, MuLK antibody, Multi substrate lipid kinase antibody, Multi-substrate lipid kinase antibody, Multiple substrate lipid kinase antibody, RGD1562046 antibody

UniProt: [Q53H12](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

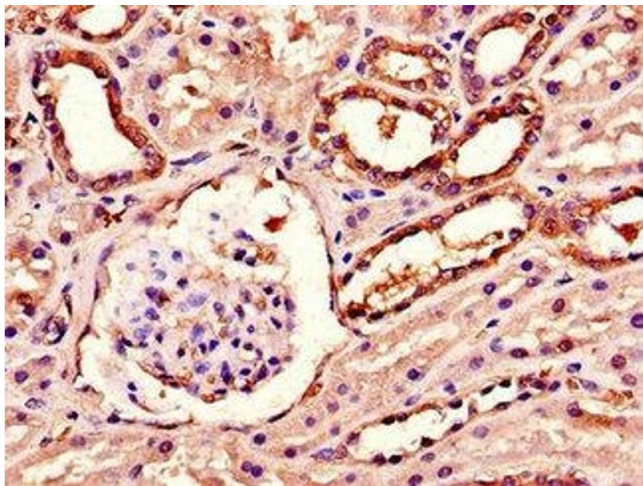
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

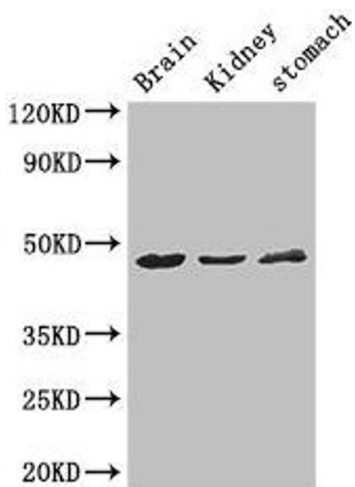
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



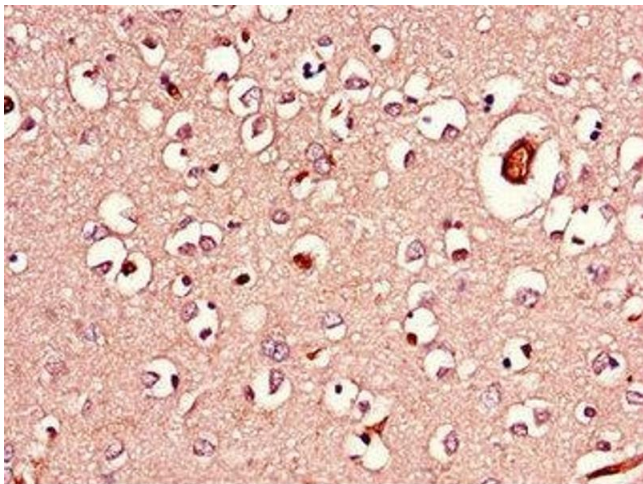
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7143254 at dilution of 1:100



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse brain tissue, Mouse kidney tissue, Mouse stomach tissue All lanes: AGK antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 48, 8 kDa Observed band size: 48 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7143254 at dilution of 1:100