

Datasheet for ABIN632105
anti-Acylglycerol Kinase antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	Acylglycerol Kinase (AGK)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acylglycerol Kinase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	AGK antibody was raised using the N terminal of AGK corresponding to a region with amino acids KKLLLELEMENTDVIIVAGGDGTLQEVVTGVLRRRTDEATFSKIPIGFIPLGE
Specificity:	AGK antibody was raised against the N terminal of AGK
Purification:	Affinity purified

Target Details

Target:	Acylglycerol Kinase (AGK)
Alternative Name:	AGK (AGK Products)
Background:	AGK is a lipid kinase that can phosphorylate both monoacylglycerol and diacylglycerol to form lysophosphatidic acid (LPA) and phosphatidic acid (PA), respectively. AGK does not phosphorylate sphingosine. Overexpression of AGK increases the formation and secretion of

Target Details

LPA, resulting in transactivation of EGFR and activation of the downstream MAPK signaling pathway, leading to increased cell growth.

Molecular Weight: 47 kDa (MW of target protein)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: AGK Blocking Peptide, catalog no. 33R-4482, is also available for use as a blocking control in assays to test for specificity of this AGK antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of AGK antibody in PBS

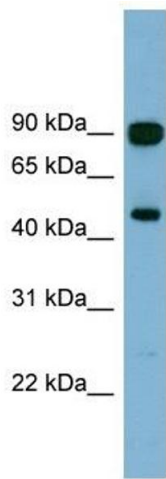
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. AGK antibody used at 1 ug/ml to detect target protein.