

Datasheet for ABIN2774178
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, Mouse, Rat, Dog, Guinea Pig, Rabbit, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acylglycerol Kinase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AGK
Sequence:	KKLLELEMENT DVIIVAGGDG TLQEVVTGVL RRTDEATFSK IPIGFIPLGE
Predicted Reactivity:	Cow: 93%, Dog: 86%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against AGK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Acylglycerol Kinase (AGK)
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Target Details

Alternative Name:	AGK (AGK Products)
Background:	<p>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 LPA, resulting in transactivation of EGFR and activation of the downstream MAPK signaling pathway, leading to increased cell growth.</p> <p>Alias Symbols: FLJ10842, MULK, MTDPS10</p> <p>Protein Interaction Partner: PCSK9, UBC, RNF2, BMI1, PARK2, FBXO6, UBD, CUL3, AGO4, RYK, ICT1, SNX4, PDLIM1, HCK,</p> <p>Protein Size: 422</p>
Molecular Weight:	47 kDa
Gene ID:	55750
NCBI Accession:	NM_018238 , NP_060708
UniProt:	Q53H12

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 422 AA
Restrictions:	For Research Use only

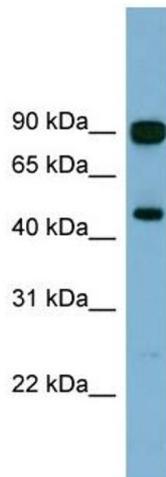
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AGK Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Human brain