

DATASHEET

AGK Rabbit Polyclonal Antibody

CAT. NO. APA14950

KEY FEATURES

Target	AGK	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Lipid kinase that can phosphorylate both monoacylglycerol and diacylglycerol to form lysophosphatidic acid (LPA) and phosphatidic acid (PA), respectively and phosphatidic acid (PA), respectively . Does not phosphorylate sphingosine . Phosphorylates ceramide . Phosphorylates 1,2-dioleoylglycerol more rapidly than 2,3-dioleoylglycerol . Independently of its lipid kinase activity, acts as a component of the TIM22 complex . The TIM22 complex mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane by forming a twin-pore translocase that uses the membrane potential as the external driving force .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

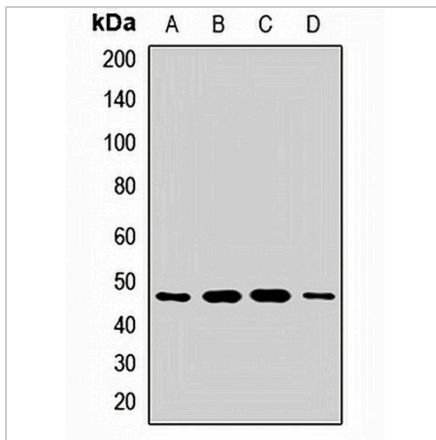
Description	Rabbit polyclonal antibody to AGK
Specificity	Recognizes endogenous levels of AGK protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AGK
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 7; Observed: 47 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	MULK; Acylglycerol kinase mitochondrial; hAGK; Multiple substrate lipid kinase; HsMuLK; MuLK; Multi-substrate lipid kinase
Gene Symbol	AGK
Entrez Gene	55750(Human)
SwissProt	Q53H12(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of AGK expression in HepG2 (A), HeLa (B), K562 (C), mouse brain (D) whole cell lysates. (Predicted band size: 7; 47 kD; Observed band size: 47 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.