

## Product datasheet for **TA344897**

### Acylglycerol Kinase (AGK) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-AGK antibody: synthetic peptide directed towards the N terminal of human AGK. Synthetic peptide located within the following region: DNLLRRAACQEAQVFGNQLIPPNAQVKKATVFLNPAACKGKARTLFEKNA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	acylglycerol kinase
Database Link:	<a href="#">NP_060708</a> <a href="#">Entrez Gene 55750 Human Q53H12</a>
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 LPA, resulting in transactivation of EGFR and activation of the downstream MAPK signaling pathway, leading to increased cell growth.
Synonyms:	CATC5; CTRCT38; MTDPS10; MULK

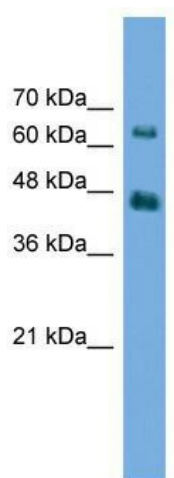


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**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 86%

**Protein Pathways:** Glycerolipid metabolism, Metabolic pathways

**Product images:**



WB Suggested Anti-AGK Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Transfected 293T