

## Product datasheet for **TA303271**

### Acylglycerol Kinase (AGK) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:16,000. WB: 1-3µg/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence CDPRKREQMLTSP, from the C Terminus of the protein sequence according to NP_060708.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	acylglycerol kinase
Database Link:	<a href="#">NP_060708</a> <a href="#">Entrez Gene 69923 Mouse</a> <a href="#">Entrez Gene 55750 Human</a> <a href="#">Q53H12</a>
Background:	Lipid kinase that can phosphorylate both monoacylglycerol and diacylglycerol to form lysophosphatidic acid (LPA) and phosphatidic acid (PA), respectively. Does not 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

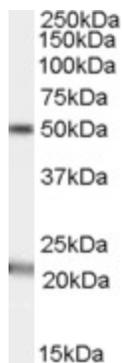


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**Synonyms:** CATC5; CTRCT38; MTDPS10; MULK

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

**Product images:**



TA303271 (1ug/ml) staining of Human Brain (Substantia nigra) lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.