

Product datasheet for **TA338994**

AK2 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-AK2 antibody: synthetic peptide directed towards the N terminal of human AK2. Synthetic peptide located within the following region: MAPSVPAAEPEYPKGIKAVLLGPPGAGKGTQAPRLAENFCVCHLATGDML
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>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	adenylate kinase 2
Database Link:	NP_001616 Entrez Gene 204 Human P54819



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Background: Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2. [provided by RefSeq, Nov 2010]

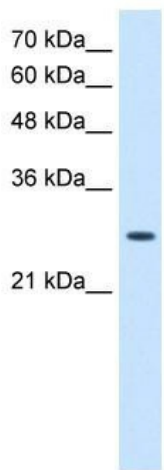
Synonyms: ADK2; AK 2

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Mouse: 93%; Zebrafish: 92%; Bovine: 86%

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:



WB Suggested Anti-AK2 Antibody Titration: 2.5 ug/ml; Positive Control: HepG2 cell lysate. There is BioGPS gene expression data showing that AK2 is expressed in HepG2