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# Product datasheet for TA338993

## AK2 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen for anti-AK2 antibody: synthetic peptide directed towards the middle region of human AK2. Synthetic peptide located within the following region: LIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKIRLQAYHT |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **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<br>Entrez Gene 11637 MouseEntrez Gene 204 Human<br>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]

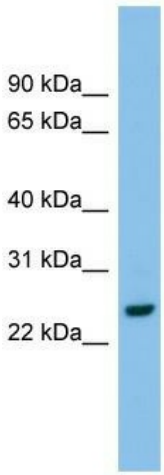
**Synonyms:** ADK2; AK 2

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

**Protein Families:** Druggable Genome

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

## Product images:




WB Suggested Anti-AK2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: RPMI 8226 cell lysate.AK2 is strongly supported by BioGPS gene expression data to be expressed in RPMI-8226