

## Rabbit AK2 Polyclonal Antibody | anti-AK2 antibody

AK2 antibody - middle region

|                               |                       |                                                                                               |                                     |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA199648</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|

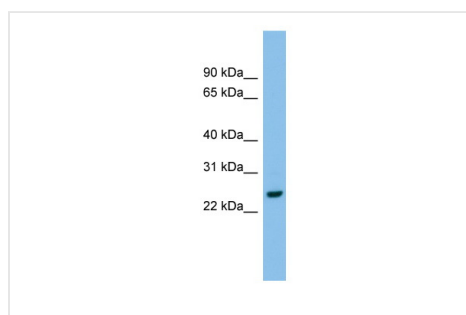
### PRODUCT SYNONYMS

AK2; Polyclonal Antibody; AK2 antibody - middle region; anti-AK2 antibody

### PRODUCT SPECIFICATIONS

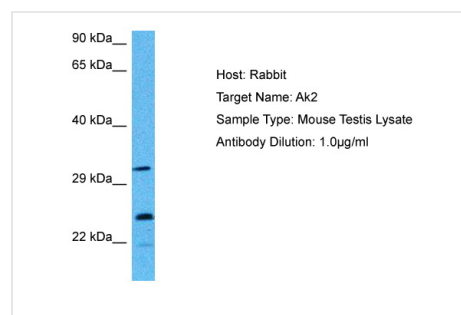
|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish                                                                              |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Purity/Purification                           | Affinity Purified                                                                                                                                     |
| Form/Format                                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                      | Synthetic peptide with the following region: LI HPKSGRSYHE EFNPPKEPMK DDITGEPLIR RSDDNEKALK IRLQAYHT                                                  |
| Sequence Length                               | 239                                                                                                                                                   |
| Applicable Applications for anti-AK2 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                      | Cow: 93%; Dog: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%; Zebrafish: 100%                     |
| Immunogen                                     | The immunogen is a synthetic peptide directed towards the middle region of human AK2                                                                  |
| Preparation and Storage                       | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

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



#### WB (Western Blot)

Host: Mouse  
Target Name: AK2  
Sample Tissue: Mouse Testis  
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AK2 antibody | <p>This is a rabbit polyclonal antibody against AK2. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: 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. 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.</p> |
| Product Categories/Family for anti-AK2 antibody   | Polyclonal; Drugs and Drug Metabolism; Developmental Biology; Mitochondria; Signal Transduction; Various; Apoptosis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 4502013                                     |
| NCBI GeneID                      | 204                                         |
| NCBI Accession #                 | NP_001616                                   |
| NCBI GenBank Nucleotide #        | NM_001625                                   |
| UniProt Accession #              | P54819                                      |
| Molecular Weight                 | 26kDa                                       |
| NCBI Official Full Name          | adenylate kinase 2, mitochondrial isoform a |
| NCBI Official Synonym Full Names | adenylate kinase 2                          |
| NCBI Official Symbol             | AK2                                         |
| NCBI Official Synonym Symbols    | ADK2                                        |
| NCBI Protein Information         | adenylate kinase 2, mitochondrial           |
| UniProt Protein Name             | Adenylate kinase 2, mitochondrial           |
| UniProt Gene Name                | AK2                                         |
| UniProt Entry Name               | KAD2_HUMAN                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ak2-antibody-western-blot-elisa/199648>