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AK2 Rabbit mAb
Catalog # AP76382

Specification

AK2 Rabbit mAb - Product Information

Application	**WB, IHC-P, IHC-F, IP, ICC**
Primary Accession	P54819
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**26478**

AK2 Rabbit mAb - Additional Information

Gene ID 204

Other Names
AK2

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
IP~~N/A
ICC~~N/A

Format
Liquid

AK2 Rabbit mAb - Protein Information

Name AK2 {ECO:0000255|HAMAP-Rule:MF_03168}

Synonyms ADK2

Function
Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.

Cellular Location
Mitochondrion intermembrane space {ECO:0000255|HAMAP-Rule:MF_03168}

Tissue Location
Present in most tissues. Present at high level in heart, liver and kidney, and at low level in brain, skeletal muscle and skin. Present in thrombocytes but not in erythrocytes, which lack mitochondria. Present in all nucleated cell populations from blood, while AK1 is mostly absent. In

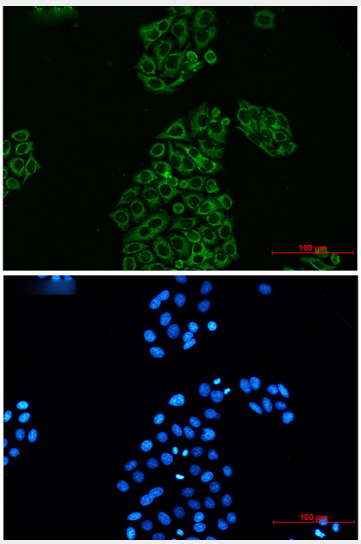
spleen and lymph nodes, mononuclear cells lack AK1, whereas AK2 is readily detectable. These results indicate that leukocytes may be susceptible to defects caused by the lack of AK2, as they do not express AK1 in sufficient amounts to compensate for the AK2 functional deficits (at protein level)

AK2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AK2 Rabbit mAb - Images



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