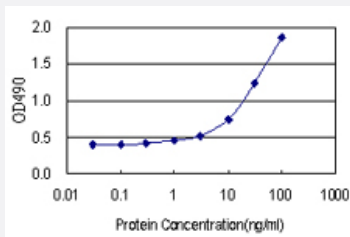


# AK1 (Human) Matched Antibody Pair

Catalog # H00000203-AP14      Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human AK1.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00000203-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-AK1 (100 ug) 2. Detection antibody: mouse monoclonal anti-AK1, IgG1 Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

## Gene Info — AK1

**Entrez GeneID** [203](#)**Gene Name** AK1**Gene Alias** -**Gene Description** adenylate kinase 1**Omim ID** [103000](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** Adenylate kinase is an enzyme involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate group among adinine nucleotides. Three isozymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas AK2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme. [provided by RefSeq]

**Other Designations** ATP-AMP transphosphorylase|OTTHUMP00000022217|OTTHUMP00000022218|myokinase

## Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)

## Disease

- [Fetal Growth Retardation](#)