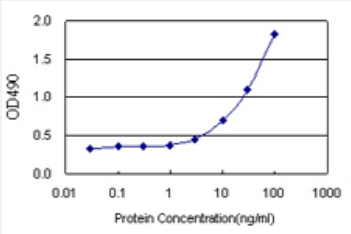
AK1 (Human) Matched Antibody Pair

Catalog # H00000203-AP12 Size 1 Set

Applications



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

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human AK1.
Reactivity	Human
Quality Control Testing	Standard curve using recombinant protein (H00000203-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	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.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w 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 iso zymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK 2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas A K2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was iden tified because of its association with a rare genetic disorder causing nonspherocytic hemolytic an emia 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