

Datasheet

AK1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog Number: H00000203-D01P

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human AK1 protein.

Immunogen: AK1 (NP_000467.1, 1 a.a. ~ 194 a.a) full-length human protein.

Sequence:

MEEKLKTKTKIIFVVGPGSGKGTQCEKIVQKYGYTHLS
TGDLLRSEVSSGSARGKKLSEIMEKGQLVPLETVLDMML
RDAMVAKVNTSKGFLIDGYPREVQQGEFERRIGQPT
LLLYVDAGPETMTQRLLKRGETSGRVDNEETIKRLE
TYYKATEPVIAFYEKRGIVRKVNNAEGSVDSVFSQVCTH
LDALK

Host: Rabbit

Reactivity: Human, Mouse

Applications: WB-Ce, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 203

Gene Symbol: AK1

Gene Alias: -

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]