

Datasheet

AK1 monoclonal antibody (M01), clone 3G8-1B11

Catalog Number: H00000203-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant AK1.

Clone Name: 3G8-1B11

Immunogen: AK1 (AAH01116, 1 a.a. ~ 194 a.a)
full-length recombinant protein with GST tag. MW of the
GST tag alone is 26 KDa.

Sequence:

MEEKLKKTNIIFVVGPGSGKGTQCEKIVQKYGYTHLS
TGDLLRSEVSSGSARGKKLSEIMEKGQLVPLETVLDMML
RDAMVAKVNTSKGFLIDGYPREVQQGEFERRIGQPT
LLLYVDAGPETMTQRLKRGESGRVDDNEETIKKRLE
TYYKATEPVIAFYEKRGIVRKVNNAEGSVDSVFSQVCTH
LDALK

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, S-ELISA, WB-Re
(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

Isotype: IgG1 Kappa

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]