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Datasheet

AK1 monoclonal antibody (M08), clone M1

Catalog Number: H00000203-M08

Regulation Status: For research use only (RUO)

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

Clone Name: M1

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:
MEEKLKKTNIIFVVGGPGSGKGTQCEKIVQKYGYTHLS
TGDLLRSEVSSGSARGKKLSEIMEKGQLVPLETVLDML
RDAMVAKVNTSKGFLIDGYPREVQQGEEFERRIGQPT
LLLYVDAGPETMTQRLLKRGETSGRVDDNEETIKKRLE
TYYKATEPVIAFYEKRGIVRKVNAEGSVDSVFSQVCTH
LDALK

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, S-ELISA, WB-Ce, 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]