9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

AK3L1 polyclonal antibody

Catalog Number: PAB3988

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of AK3L1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human AK3L1.

Host: Rabbit

Reactivity: Human,Mouse

Applications: ELISA, IHC-P, WB-Ti, 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

Form: Liquid

Purification: Protein G purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:100-500)
Immunohistochemistry (1:50-100)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 205

Gene Symbol: AK3L1

Gene Alias: AK3, AK4, MGC166959

Gene Summary: This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM_013410, NM_203464, and NM_001005353 is located on chromosome 1. [provided by RefSeq]

References:

1. Identification of a novel human adenylate kinase. cDNA cloning, expression analysis, chromosome localization and characterization of the recombinant protein. Van Rompay AR, Johansson M, Karlsson A. Eur J Biochem. 1999 Apr;261(2):509-17.
2. Identification of a novel adenylate kinase system in the brain: cloning of the fourth adenylate kinase. Yoneda T, Sato M, Maeda M, Takagi H. Brain Res Mol Brain Res. 1998 Nov 20;62(2):187-95.
3. Characterization of human adenylate kinase 3 (AK3) cDNA and mapping of the AK3 pseudogene to an intron of the NF1 gene. Xu G, O'Connell P, Stevens J, White R. Genomics. 1992 Jul;13(3):537-42.