DNAxPAb | Hard-to-Find Antibody

AK1 DNAxPab

Catalog # H00000203-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AK1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEEKLKKTKIIFVVGGPGSGKGTQCEKIVQKYGYTHLSTGDLLRSEVSSGSARGKKLSEIMEKGQL VPLETVLDMLRDAMVAKVNTSKGFLIDGYPREVQQGEEFERRIGQPTLLLYVDAGPETMTQRLLK RGETSGRVDDNEETIKKRLETYYKATEPVIAFYEKRGIVRKVNAEGSVDSVFSQVCTHLDALK
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (90)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — AK1

Entrez GeneID	203
GeneBank Accession#	NM_000476.1
Protein Accession#	NP_000467.1
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