

AK4 Antibody

Catalog No: #43922

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Description

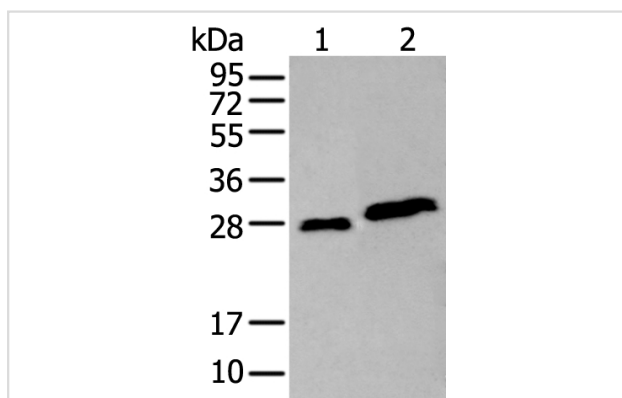
Product Name	AK4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total AK4 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human AK4
Target Name	AK4
Other Names	AK3; AK4; AK3L1; AK3L2
Accession No.	Swiss-Prot#: P27144NCBI Gene ID: 205
Uniprot	P27144
GeneID	205;
Calculated MW	25kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

Images



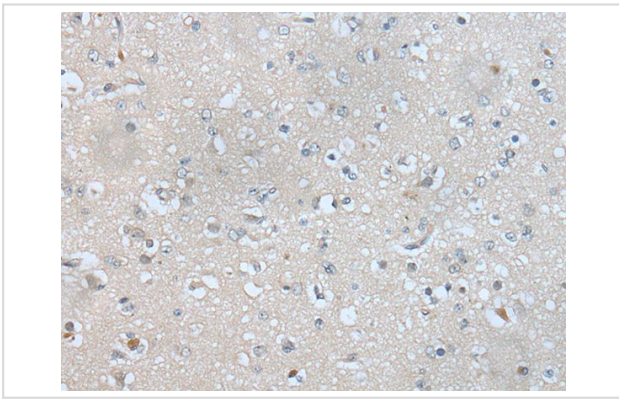
Gel: 12%SDS-PAGE

Lysate: 40 µg, Lane 1-2: MCF-7 cell and mouse kidney tissue lysates,

Primary antibody:AK4 antibody at dilution 1/300,

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 15 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using AK4 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

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.

Note: This product is for in vitro research use only