

Datasheet for ABIN2785909

anti-Adenylate Kinase 5 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Adenylate Kinase 5 (AK5)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Sheep, Saccharomyces cerevisiae, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AK5
Sequence:	ESDTDLSETA ELIEEYEVFD PTRPRPKIL VIGGPGSGKG TQSLKIAERY
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 91%, Yeast: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against AK5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Adenylate Kinase 5 (AK5)
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Target Details

Alternative Name:	AK5 (AK5 Products)
Background:	This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alias Symbols: AK6, MGC33326 Protein Interaction Partner: CEBPA, STRN4, TRIM46, C7orf26, NUCKS1, RNF114, CPNE6, UGDH, Protein Size: 562
Molecular Weight:	62 kDa
Gene ID:	26289
NCBI Accession:	NM_174858 , NP_777283
UniProt:	Q9Y6K8
Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 562 AA
Restrictions:	For Research Use only

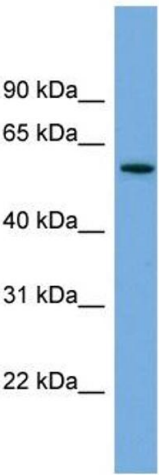
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AK5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: PANC1 cell lysate