

Datasheet for ABIN5774357

anti-Adenylate Kinase 5 antibody (AA 318-398)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Adenylate Kinase 5 (AK5)
Binding Specificity:	AA 318-398
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against partial recombinant human AK5.
Immunogen:	Recombinant protein corresponding to amino acids 318-398 of human AK5.
Sequence:	KLFPNKEAAA GSSDLDPMSI LDTGEIIDTG SDYEDQGDDQ LNVFGEDTMG GFMEDLRKCK IIFIIGGPGS GKGTQCEKLV E
Isotype:	IgG
Cross-Reactivity:	Human

Target Details

Target:	Adenylate Kinase 5 (AK5)
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Target Details

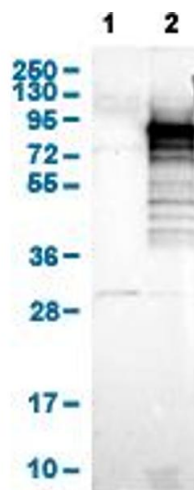
Alternative Name:	AK5 (AK5 Products)
Background:	Full Gene Name: adenylate kinase 5 Synonyms: AK6,MGC33326
Gene ID:	26289
Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Immunofluorescence (1-4 µg/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

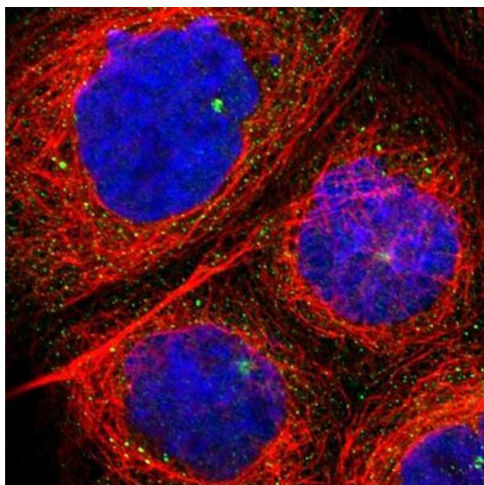
Handling

Format:	Liquid
Buffer:	In PBS, pH 7.2 (40 % glycerol, 0.02 % sodium azide).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.



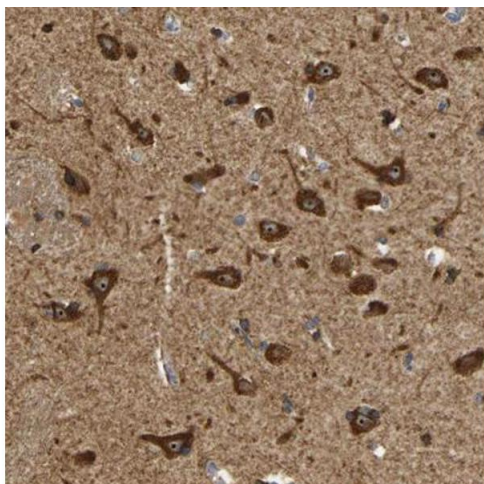
Western Blotting

Image 1. Western Blot analysis of (1) Negative control (vector only transfected HEK293T lysate), and (2) Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Immunofluorescence

Image 2. Immunofluorescent staining of human cell line A-431 shows localization to cytosol & microtubule organizing center. Antibody staining is shown in green.



Immunohistochemistry

Image 3. Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus shows strong cytoplasmic and nucleolar positivity in neuronal cells.