

Product datasheet for **AP13650PU-N**

AK7 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human AK7.
Specificity:	This antibody reacts to AK7.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adenylate kinase 7
Database Link:	Entrez Gene 122481 Human Q96M32



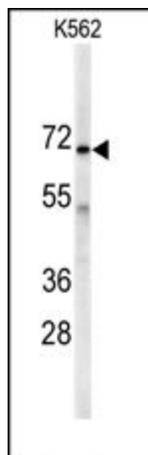
[View online »](#)

Background:

The adenylate kinases (AK) are a family of structurally and functionally related enzymes that catalyze a similar reaction, $MgNTP + AMP = MgNDP + ADP$ (N = A or G). The AK enzymes are important for maintenance of homeostasis of the adenine and guanine nucleotide pools. AK1 is a cytosolic enzyme for which ATP is the substrate. AK2 catalyzes the same reaction as AK1, but it is localized in the mitochondrial intermembrane space. AK3 is present in the mitochondrial matrix and prefers GTP over ATP as the substrate.

Synonyms:

FLJ32864

Product images:

Western blot analysis of anti-AK7 Antibody (C-term) in K562 cell line lysates (35ug/lane).AK7 (arrow) was detected using the purified Pab.