

(DANRE) ak2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb18720b

Specification

(DANRE) ak2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O1L8L9
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26616
Antigen Region	2-36

(DANRE) ak2 Antibody (N-term) - Additional Information

Gene ID 321793

Other Names

Adenylate kinase 2, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03168}, AK 2 {ECO:0000255|HAMAP-Rule:MF_03168}, 2743 {ECO:0000255|HAMAP-Rule:MF_03168}, ATP-AMP transphosphorylase 2 {ECO:0000255|HAMAP-Rule:MF_03168}, ATP:AMP phosphotransferase {ECO:0000255|HAMAP-Rule:MF_03168}, Adenylate monophosphate kinase {ECO:0000255|HAMAP-Rule:MF_03168}, ak2

Target/Specificity

This (DANRE) ak2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-36 amino acids from the N-terminal region of (DANRE) ak2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

(DANRE) ak2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

(DANRE) ak2 Antibody (N-term) - Protein Information

Name ak2

Function Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.

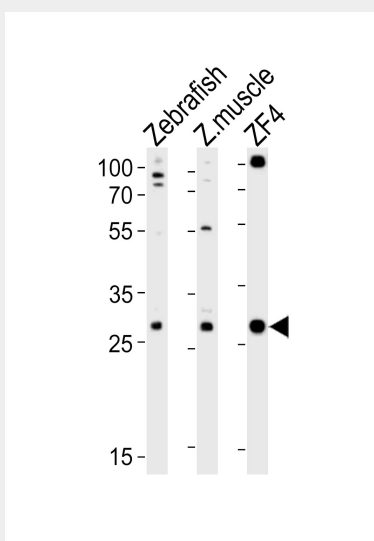
Cellular Location

Mitochondrion intermembrane space {ECO:0000255|HAMAP-Rule:MF_03168}

(DANRE) ak2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

(DANRE) ak2 Antibody (N-term) - Images

Western blot analysis of lysates from Zebrafish, zebra fish muscle tissue lysate, ZF4 cell line (from left to right), using (DANRE) ak2 Antibody (N-term)(Cat. #Azb18720b). Azb18720b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

(DANRE) ak2 Antibody (N-term) - Background

Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.

(DANRE) ak2 Antibody (N-term) - References

Howe K.,et al.Nature 496:498-503(2013).

Pannicke U.,et al.Nat. Genet. 41:101-105(2009).