

Ak3 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14022**Specification**

Ak3 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9WTP7
Other Accession	NM_021299 , NP_067274
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Pig, Chicken, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 25kDa KDa

Ak3 antibody - C-terminal region - Additional Information**Gene ID** 56248**Alias Symbol** AA407498, AI506714, AK-3, Ak3I, Ak3I1, AkI3I**Other Names**

GTP:AMP phosphotransferase AK3, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03169}, 2.7.4.10 {ECO:0000255|HAMAP-Rule:MF_03169}, Adenylate kinase 3 {ECO:0000255|HAMAP-Rule:MF_03169}, AK 3 {ECO:0000255|HAMAP-Rule:MF_03169}, Adenylate kinase 3 alpha-like 1 {ECO:0000255|HAMAP-Rule:MF_03169}, Ak3, Ak3I, Ak3I1, AkI3I

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Ak3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Ak3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Ak3 antibody - C-terminal region - Protein Information**Name** Ak3**Synonyms** Ak3I, Ak3I1, AkI3I**Function**

Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Has GTP:AMP phosphotransferase and ITP:AMP phosphotransferase

activities.

Cellular Location

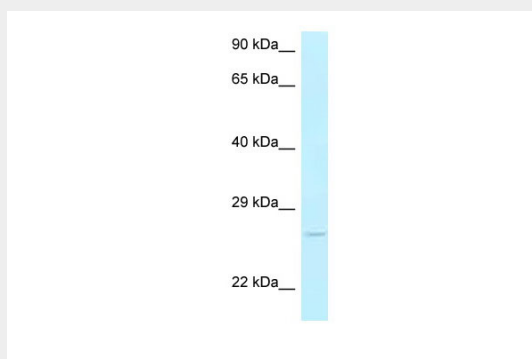
Mitochondrion matrix {ECO:0000255|HAMAP- Rule:MF_03169}

Ak3 antibody - C-terminal region - 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](#)

Ak3 antibody - C-terminal region - Images



WB Suggested Anti-Ak3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

Ak3 antibody - C-terminal region - References

Carninci P., et al. Science 309:1559-1563(2005).
Noma T., et al. Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Park J., et al. Mol. Cell 50:919-930(2013).
Rardin M.J., et al. Proc. Natl. Acad. Sci. U.S.A. 110:6601-6606(2013).