

ATAD3A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59147

Specification

ATAD3A Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O9NV17
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71369

ATAD3A Polyclonal Antibody - Additional Information

Gene ID 55210

Other Names

ATPase family AAA domain-containing protein 3A {ECO:0000312|HGNC:HGNC:25567}, ATAD3A (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=25567)
HGNC:25567

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ATAD3A Polyclonal Antibody - Protein Information

Name ATAD3A ([HGNC:25567](#))

Function

Essential for mitochondrial network organization, mitochondrial metabolism and cell growth at organism and cellular level. May play an important role in mitochondrial protein synthesis. May also participate in mitochondrial DNA replication. May bind to mitochondrial DNA D-loops and contribute to nucleoid stability. Required for enhanced channeling of cholesterol for hormone-dependent steroidogenesis. Involved in mitochondrial-mediated antiviral innate immunity (PubMed:<http://www.uniprot.org/citations/31522117>).

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein. Mitochondrion matrix, mitochondrion nucleoid Note=In the mitochondrial inner membrane, enriched in sites with the potential to form contacts with the outer membrane (PubMed:20154147, PubMed:20349121). The N-terminal domain interacts with the inner surface of the mitochondrial outer membrane and the C-terminal domain localizes in a specific matrix compartment, where it is associated with nucleoids

(PubMed:18063578).

Tissue Location

Overexpressed in lung adenocarcinomas (at protein level).

ATAD3A Polyclonal Antibody - 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](#)

ATAD3A Polyclonal Antibody - Images