

ALKBH7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59069

Specification

ALKBH7 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession Q9BT30

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 24516

ALKBH7 Polyclonal Antibody - Additional Information

Gene ID 84266

Other Names

Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial, 1.14.11.-, Alkylated DNA repair protein alkB homolog 7, Spermatogenesis cell proliferation-related protein, Spermatogenesis-associated protein 11, ALKBH7, ABH7, SPATA11

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IFC-F~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<

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.

ALKBH7 Polyclonal Antibody - Protein Information

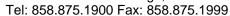
Name ALKBH7

Synonyms ABH7, SPATA11

Function

May function as protein hydroxylase; can catalyze auto- hydroxylation at Leu-110 (in vitro), but this activity may be due to the absence of the true substrate (PubMed:25122757). Required to induce programmed necrosis in response to DNA damage caused by cytotoxic alkylating agents. Acts by triggering the collapse of mitochondrial membrane potential and loss of mitochondrial function that leads to energy depletion and cell death (PubMed:<a







href="http://www.uniprot.org/citations/23666923" target=" blank">23666923). ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage (PubMed: 23666923). Does not display DNA demethylase activity (PubMed:23666923). Involved in fatty acid metabolism (By similarity).

Cellular Location Mitochondrion matrix

Tissue Location

Widely expressed, with highest expression in pancreas, followed by spleen, prostate, ovary and placenta

ALKBH7 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

ALKBH7 Polyclonal Antibody - Images