

**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	<a href="#">Q9BT30</a>
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  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ 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:<http://www.uniprot.org/citations/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:[25122757](#)).

href="http://www.uniprot.org/citations/23666923" target="\_blank">23666923</a>). ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage (PubMed:<a href="http://www.uniprot.org/citations/23666923" target="\_blank">23666923</a>). Does not display DNA demethylase activity (PubMed:<a href="http://www.uniprot.org/citations/23666923" target="\_blank">23666923</a>). 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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ALKBH7 Polyclonal Antibody - Images**