

## ALKBH7 antibody

### Product Information

Catalog No.:	FNab00315
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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: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).

### Immunogen information

Immunogen:	alkB, alkylation repair homolog 7(E. coli)
Synonyms:	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial Alkylated DNA repair protein alkB homolog 7 Spermatogenesis cell proliferation-related protein Spermatogenesis-associated protein 11 ALKBH7 ABH7 SPATA11
Observed MW:	25 kDa
Uniprot ID :	Q9BT30

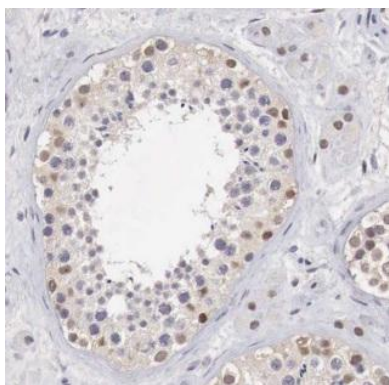
### Application

Reactivity:	Human, Mouse, Rat
-------------	-------------------

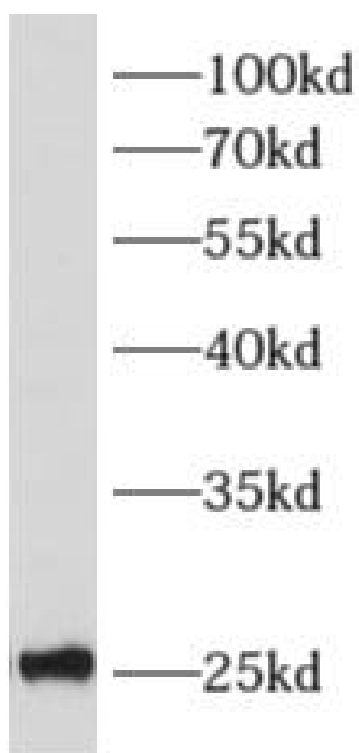
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human testis tissue slide using FNab00315(ALKBH7 Antibody) at dilution of 1:50



human testis tissue were subjected to SDS PAGE followed by western blot with FNab00315(ALKBH7 antibody) at dilution of 1:500