

For Research Use Only

# ALKBH5 Polyclonal antibody

Catalog Number: 16837-1-AP

Featured Product

116 Publications



## Basic Information

<b>Catalog Number:</b> 16837-1-AP	<b>GenBank Accession Number:</b> BC062339	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54890	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6P6C2	
<b>Isotype:</b> IgG	<b>Full Name:</b> alkB, alkylation repair homolog 5 (E. coli)	
<b>Immunogen Catalog Number:</b> AG10516	<b>Calculated MW:</b> 458 aa, 51 kDa	
	<b>Observed MW:</b> 40-50 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> CoIP, IF, IHC, RIP, WB	<b>WB:</b> HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human testis tissue, human lung cancer tissue
<b>Cited Species:</b> human, chicken, rat, mouse, pig, bovine	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ALKBH5, also named as ABH5 and OFOXD1, is a Dioxygenase that demethylates RNA by oxidative demethylation. It is a mammalian demethylase that oxidatively reverses m6A in mRNA in vitro and in vivo. ALKBH5 is required for spermatogenesis. There're some isoforms of ALKBH5 with MW 40-44 kDa and 52 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Menghui Xu	36290677	Antioxidants (Basel)	WB
Kusuma Suphakhong	36183833	J Biol Chem	WB
Zuzana Cockova	34491720	ACS Chem Neurosci	WB

## Storage

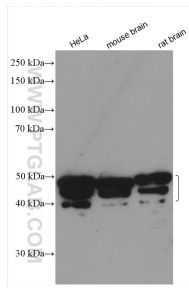
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

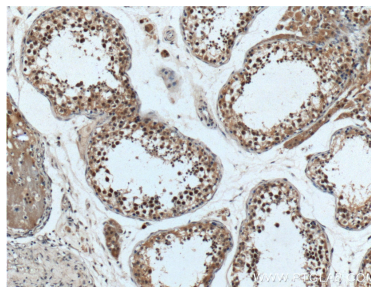
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

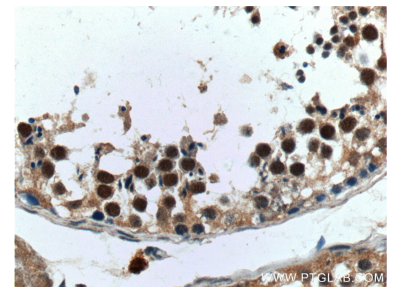
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16837-1-AP (ALKBH5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 16837-1-AP (ALKBH5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 16837-1-AP (ALKBH5 Antibody) at dilution of 1:200 (under 40x lens).