

For Research Use Only

# ALKBH5 Monoclonal antibody

Catalog Number: 67811-1-Ig

Featured Product

10 Publications



## Basic Information

Catalog Number:

67811-1-Ig

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG10490

GenBank Accession Number:

BC062339

GeneID (NCBI):

54890

UNIPROT ID:

Q6P6C2

Full Name:

alkB, alkylation repair homolog 5 (E. coli)

Calculated MW:

458 aa, 51 kDa

Observed MW:

40-44 kDa

Purification Method:

Protein A purification

CloneNo.:

2D2B2

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:500-1:2000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse, rat, monkey, hamster

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

Positive Controls:

WB : 4T1 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells

IHC : mouse testis tissue,

## Background Information

ALKBH5, also named as ABH5 and OFOX1, 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
Yang Wang	36333630	Apoptosis	WB
Wei Si	40528033	Acta Pharmacol Sin	WB
Ting Luo	40573422	Viruses	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

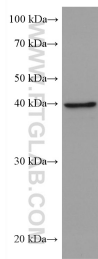
T: 4006900926

E: Proteintech-CN@ptglab.com

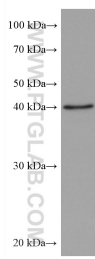
W: ptgcn.com

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

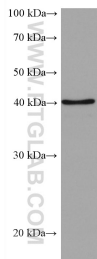
Selected Validation Data



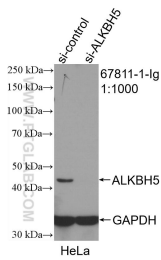
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



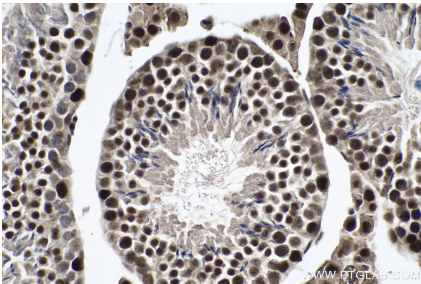
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



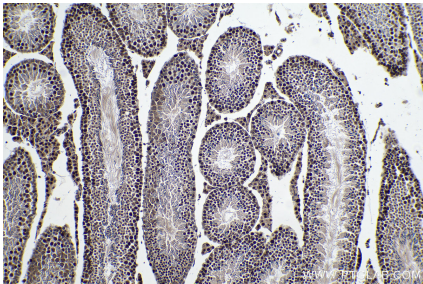
4T1 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of ALKBH5 antibody (67811-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALKBH5 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67811-1-Ig (ALKBH5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67811-1-Ig (ALKBH5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).