

For Research Use Only

ALKBH5 Monoclonal antibody

Catalog Number: 67811-1-Ig

Featured Product

5 Publications



Basic Information

Catalog Number:

67811-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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

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 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
Yang Wang	36333630	Apoptosis	WB
Gaia Di Timoteo	38866783	Nat Commun	WB
Cong Chen	38682314	Acta Physiol (Oxf)	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

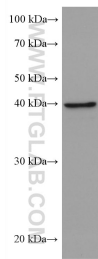
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

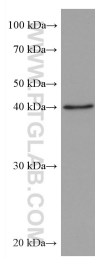
E: proteintech@ptglab.com
W: ptglab.com

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

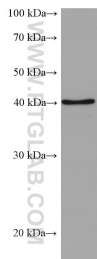
Selected Validation Data



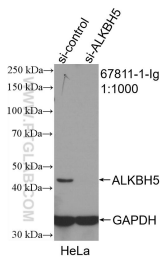
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



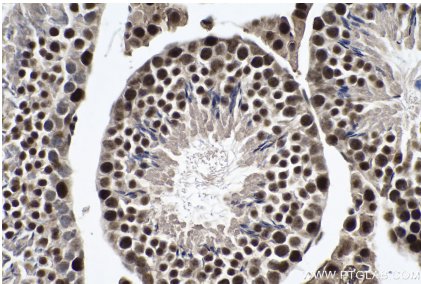
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



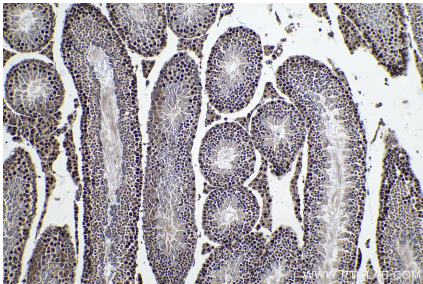
4T1 cells were subjected to SDS PAGE followed by western blot with 67811-1-Ig (ALKBH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).