

# ALKBH5 Polyclonal antibody

Catalog Number: 16837-1-AP

Featured Product

116 Publications

## Basic Information

**Catalog Number:**

16837-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG10516

**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:**

40-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:10000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

CoIP, IF, IHC, RIP, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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**

**Positive Controls:****WB** : HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue**IHC** : human testis tissue, human lung cancer 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
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

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

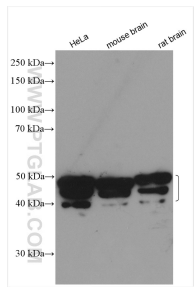
T: 4006900926

E: Proteintech-CN@ptglab.com

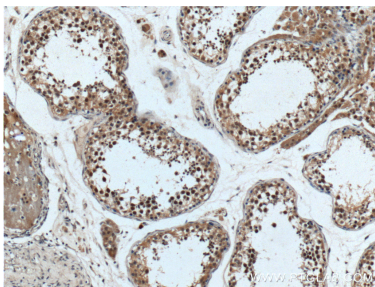
W: ptgcn.com

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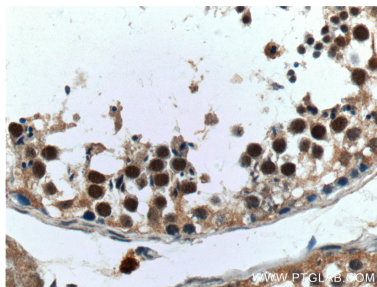
Selected Validation Data



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).