

ALKBH5 Rabbit mAb

Catalog No.: A22137 **Recombinant**

Basic Information

Observed MW

44-48kDa/45-48kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC55858

Background

Enables mRNA N6-methyladenosine dioxygenase activity. Involved in RNA metabolic process; mRNA export from nucleus; and response to hypoxia. Located in Golgi apparatus; cytosol; and nuclear speck. 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.

Recommended Dilutions

WB 1:2000 - 1:8000

IHC-P 1:100 - 1:1000

IP 0.5µg-4µg antibody for
400µg-600µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

54890

Swiss Prot

Q6P6C2

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 66-394 of human ALKBH5 (NP_060228.3).

Synonyms

ABH5; OFOXD; OFOXD1; ALKBH5

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

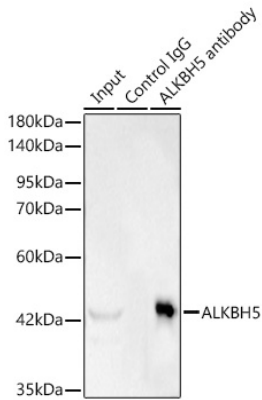
Affinity purification

Storage

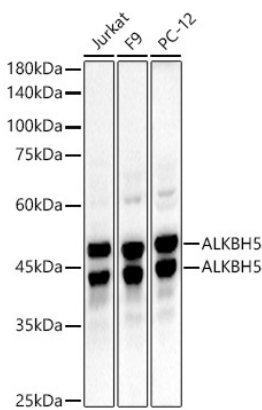
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

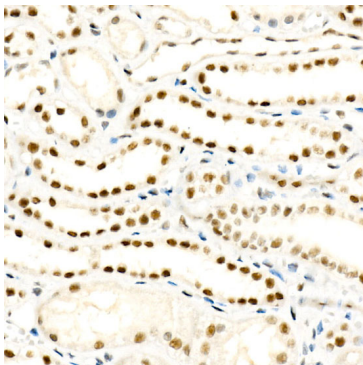
Validation Data



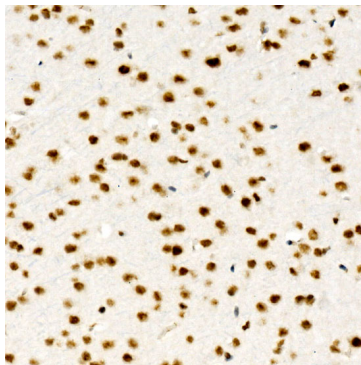
Immunoprecipitation of ALKBH5 in 400 µg extracts from Rat brain using 0.5 µg ALKBH5 Rabbit mAb (A22137). Western blot analysis was performed using ALKBH5 Rabbit mAb (A22137) at 1:2000 dilution.



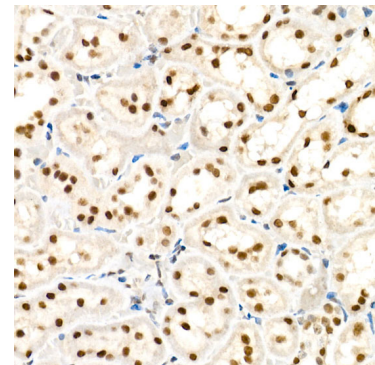
Western blot analysis of various lysates, using ALKBH5 Rabbit mAb (A22137) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human kidney using ALKBH5 Rabbit mAb (A22137) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using ALKBH5 Rabbit mAb (A22137) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using ALKBH5 Rabbit mAb (A22137) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.