

For Research Use Only

ALKBH1 Polyclonal antibody

Catalog Number: 27973-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

27973-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27520

GenBank Accession Number:

BC025787

GeneID (NCBI):

8846

UNIPROT ID:

Q13686

Full Name:

alkB, alkylation repair homolog 1 (E. coli)

Calculated MW:

389 aa, 44 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB: A549 cells,

Background Information

Two RNA m6A demethylases, FTO and ALKBH5, have been identified since 2011, with both capable of removing the methyl group of m6A on poly-adenylated RNA through an iron-dependent oxidative demethylation mechanism. ALKBH1 as a RNA demethylase that mediates removal of the methyl group from N1-methyladenosine (m1A) in tRNA. ALKBH1 can tune translation initiation and elongation by regulating the cellular levels of tRNAⁱMet and the association of other ALKBH1 target tRNAs to polysomes, thereby affecting protein synthesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenjun Kuang	35277482	Cell Discov	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:

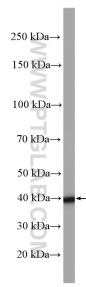
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 27973-1-AP (ALKBH1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.