

For Research Use Only

ALKBH1 Polyclonal antibody

Catalog Number: 27973-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 27973-1-AP	GenBank Accession Number: BC025787	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8846	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: alkB, alkylation repair homolog 1 (E. coli)	
Isotype: IgG	Calculated MW: 389 aa, 44 kDa	
Immunogen Catalog Number: AG27520	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	

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

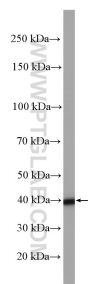
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
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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.