

Product datasheet for **TA372877**

ALKBH5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 and Hela cell lysates
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human ALKBH5
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	44 kDa
Gene Name:	alkB homolog 5, RNA demethylase
Database Link:	Entrez Gene 54890 Human Q6P6C2

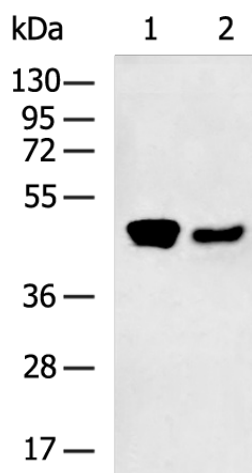
Background: Dioxygenase that demethylates RNA by oxidative demethylation: specifically demethylates N6-methyladenosine (m6A) RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes. Can also demethylate N6-methyladenosine in single-stranded DNA (in vitro). Requires molecular oxygen, alpha-ketoglutarate and iron. Demethylation of m6A mRNA affects mRNA processing and export. Required for the late meiotic and haploid phases of spermatogenesis by mediating m6A demethylation in spermatocytes and round spermatids: m6A demethylation of target transcripts is required for correct splicing and the production of longer 3' UTR mRNAs in male germ cells.

Synonyms: FLJ20308; OFOXD; OFOXD1



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Product images:



Gel: 8%SDS-PAGE

Lysate: 40 μ g

Lane 1-2: A549 and Hela cell lysates

Primary antibody: TA372877 (ALKBH5 Antibody)
at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution

Exposure time: 1 minute