

## Product datasheet for **TA372877S**

### ALKBH5 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Recommended Dilution:   | WB: 500-2000<br>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 <sub>3</sub> , 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:          | <a href="#">Entrez Gene 54890 Human Q6P6C2</a>                  |

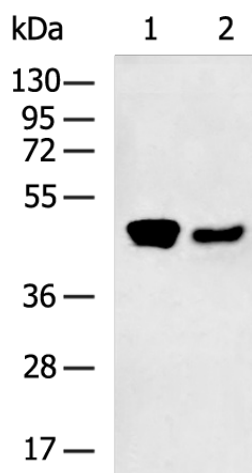
**Background:** Dioxygenase that demethylates RNA by oxidative demethylation: specifically demethylates N6-methyladenosine (m6A) RNA, the most prevalent internal modification of messenger RNA (mRNA) in higher eukaryotes. Can also demethylate N6-methyladenosine in single-stranded DNA (in vitro). Requires 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  $\mu$ 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