

ALKBH1 Polyclonal Antibody

Catalog No. E-AB-10699

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

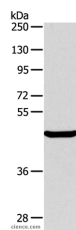
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|---------------------|-----------------------------------------------------|
| Reactivity | Human,Mouse |
| Immunogen | Recombinant protein of human ALKBH1 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.05% sodium azide and 50% glycerol, PH7.4 |

Applications

Recommended Dilution

WB 1:500-1:2000

Data



Western Blot analysis of Mouse pancreas tissue using
ALKBH1 Polyclonal Antibody at dilution of 1:400
Calculated Mw:44kDa

Preparation & Storage

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

Background

This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine. Dioxygenase that repairs alkylated single-stranded DNA and RNA containing 3-methylcytosine by oxidative demethylation. Requires molecular oxygen, alpha-ketoglutarate and iron. May have a role in placental trophoblast lineage differentiation. Has DNA lyase activity and introduces double-stranded breaks at abasic sites. Cleaves both single-stranded DNA and double-stranded DNA at abasic sites, with the greatest activity towards double-stranded DNA with two abasic sites.

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