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Datasheet for ABIN7143887

anti-ALKBH3 antibody (AA 1-170) (Biotin)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | ALKBH3 |
| Binding Specificity: | AA 1-170 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ALKBH3 antibody is conjugated to Biotin |
| Application: | ELISA |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant Human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 protein (1-170AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | ALKBH3 |
| Alternative Name: | ALKBH3 (ALKBH3 Products) |
| Background: | Background: Dioxygenase that repairs alkylated DNA containing 1-methyladenine (1meA) and 3- |

Target Details

methylcytosine (3meC) by oxidative demethylation. Has a strong preference for single-stranded DNA. Able to process alkylated 3mC within double-stranded regions via its interaction with ASCC3, which promotes DNA unwinding to generate single-stranded substrate needed for ALKBH3. May also act on RNA. Requires molecular oxygen, alpha-ketoglutarate and iron.

Aliases: 1700108H04Rik antibody, 1810020C19Rik antibody, ABH3 antibody, AlkB homolog 3 antibody, alkB, alkylation repair homolog 3 (E. coli) antibody, ALKB3_HUMAN antibody, ALKBH3 antibody, Alkylated DNA repair protein alkB homolog 3 antibody, alkylation repair homolog 3 antibody, Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 antibody, DEPC 1 antibody, DEPC-1 antibody, DEPC1 antibody, EC 1.14.11. antibody, FLJ43614 antibody, mABH3 antibody, MGC118790 antibody, MGC118792 antibody, MGC118793 antibody, MGC134125 antibody, PCA1 antibody, Prostate cancer antigen 1 antibody, Prostate cancer antigen-1 antibody, RP23-375N21.4 antibody

UniProt: [Q96Q83](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.