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Datasheet for ABIN7143889

**anti-ALKBH3 antibody (AA 1-170) (HRP)**

## Overview

Quantity:	100 µg
Target:	ALKBH3
Binding Specificity:	AA 1-170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALKBH3 antibody is conjugated to HRP
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 ( <a href="#">ALKBH3 Products</a> )
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.