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Datasheet for ABIN7143717

anti-ALKBH1 antibody (AA 110-389)

2 Images

Overview

Quantity:	100 µL
Target:	ALKBH1
Binding Specificity:	AA 110-389
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALKBH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Alkylated DNA repair protein alkB homolog 1 protein (110-389AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	ALKBH1
Alternative Name:	ALKBH1 (ALKBH1 Products)
Background:	Background: Dioxygenase that repairs alkylated single-stranded DNA and RNA containing 3-methylcytosine by oxidative demethylation. Requires molecular oxygen, alpha-ketoglutarate and

Target Details

iron. May have a role in placental trophoblast lineage differentiation (By similarity). 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. DNA lyase activity does not require alpha-ketoglutarate and iron.

Aliases: ABH antibody, ABH1 antibody, alkB antibody, alkB homolog 1 histone H2A dioxygenase antibody, AlkB, alkylation repair homolog 1 (E. coli) antibody, ALKB1_HUMAN antibody, ALKBH antibody, ALKBH1 antibody, Alkylated DNA repair protein alkB homolog 1 antibody, Alkylation repair homolog 1 antibody, Alkylation repair, alkB homolog antibody, Alpha-ketoglutarate-dependent dioxygenase ABH1 antibody, DNA lyase ABH1 antibody, DNA oxidative demethylase ALKBH1 antibody, hABH antibody

UniProt: [Q13686](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

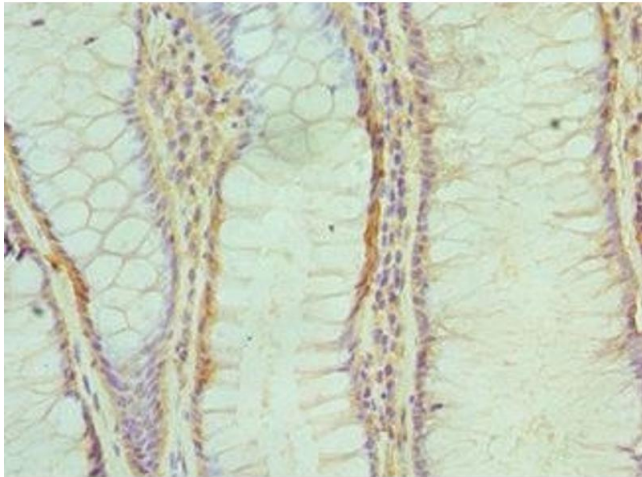
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

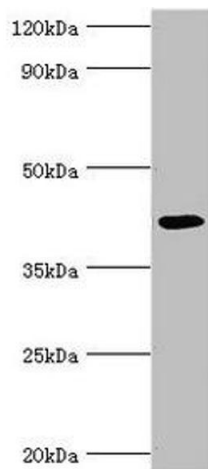
Storage: -20 °C,-80 °C

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



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7143717 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Alkylated DNA repair protein alkB homolog 1 antibody at 9 µg/mL + Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 44 kDa Observed band size: 44 kDa