



Anti-ALKBH2 (C-terminal) polyclonal antibody (DPABH-06375)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine (in vitro). Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron.
Immunogen	Synthetic peptide conjugated to KLH, derived from the C terminus of Human ABH2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituent: 99% PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	ALKBH2 alkB, alkylation repair homolog 3 (E. coli) [Homo sapiens]
Official Symbol	ALKBH2
Synonyms	ALKBH2; alkB, alkylation repair homolog 2 (E. coli); ABH2; alpha-ketoglutarate-dependent dioxygenase alkB homolog 2; oxy DC1; 2OG-Fe(II) oxy DC1; DNA oxidative demethylase ALKBH2; alkylated DNA repair protein alkB homolog 2;
Entrez Gene ID	121642
Protein Refseq	NP_001001655.1
UniProt ID	Q6NS38
Pathway	ABH2 mediated Reversal of Alkylation Damage; DNA Repair;
Function	DNA-N1-methyladenine dioxygenase activity; cytosine C-5 DNA demethylase activity; cytosine C-5 DNA demethylase activity; ferrous iron binding
