



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

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

PRODUCT INFORMATION

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| 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

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| 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 |