



ALKBH2 blocking peptide (CDBP5049)

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

PRODUCT INFORMATION

Antigen Description	The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 and ALKBH3 (MIM 610603) are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine (Duncan et al., 2002 [PubMed 12486230]).[supplied by OMIM, Mar 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ALKBH2 alkB, alkylation repair homolog 2 (E. coli) [Homo sapiens (human)]
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
mRNA Refseq	NM_001001655

Protein Refseq	NP_001001655
UniProt ID	Q6NS38
Pathway	ABH2 mediated Reversal of Alkylation Damage; DNA Damage Reversal; DNA Repair; Reversal of Alkylation Damage By DNA Dioxygenases
Function	DNA-N1-methyladenine dioxygenase activity; cytosine C-5 DNA demethylase activity; cytosine C-5 DNA demethylase activity; ferrous iron binding