



Human ALKBH2 blocking peptide (CDBP0377)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-ALKBH2 antibody
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]).
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C, stable for one year.

GENE INFORMATION

Gene Name	ALKBH2 alkB, alkylation repair homolog 2 (E. coli) [Homo sapiens]
Official Symbol	ALKBH2
Synonyms	ALKBH2; alkB, alkylation repair homolog 2 (E. coli); alpha-ketoglutarate-dependent

dioxygenase alkB homolog 2; ABH2; MGC90512; oxy DC1; 2OG-Fe(II) oxy DC1; alkylated DNA repair protein alkB homolog 2; FLJ99103;

Entrez Gene ID	121642
mRNA Refseq	NM_001001655
Protein Refseq	NP_001001655
UniProt ID	Q6NS38
Chromosome Location	12q24.11
Pathway	ABH2 mediated Reversal of Alkylation Damage, organism-specific biosystem; DNA Damage Reversal, organism-specific biosystem; DNA Repair, organism-specific biosystem; Reversal of Alkylation Damage By DNA Dioxygenases, organism-specific biosystem;
Function	DNA-N1-methyladenine dioxygenase activity; cytosine C-5 DNA demethylase activity; cytosine C-5 DNA demethylase activity; ferrous iron binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation