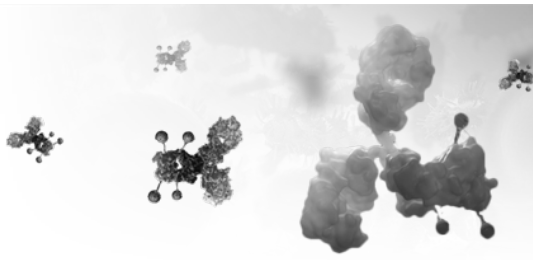

Mouse anti-Human ALKBH3 monoclonal antibody, clone 3B65G6 (CABT-B9751)

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

PRODUCT INFORMATION

Immunogen	DEPC-1 (AAH15155, 1 a.a. ~ 140 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3B65G6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MEPNPHWHPVLRTLKNRIEENTGHTFNSLLCNLYRNEKDSVDWHSDDEPSLGRCPIIASL SFGATRTFEMRKKPPPEENGDYTYVERVKIPLDHGTLLIMEGATQADWQHRVPKEYHSRE PRVNLTFRTVYPDPRGAPW*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 (MIM 610602) and ALKBH3 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]
Keywords	ALKBH3; alkB, alkylation repair homolog 3 (E. coli); ABH3; PCA1; DEPC1; DEPC-1; alpha-ketoglutarate-dependent dioxygenase alkB homolog 3; prostate cancer antigen 1; prostate cancer antigen-1; alkylated DNA repair protein alkB homolog 3;

GENE INFORMATION

Entrez Gene ID	221120
UniProt ID	Q96Q83
Pathway	ABH3 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; L-ascorbic acid binding; damaged DNA binding; ferrous iron binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221