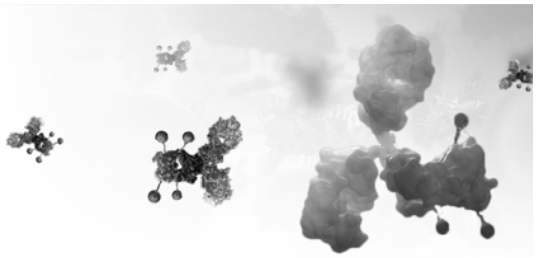

Human MUTYH blocking peptide (CDBP1941)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MUTYH antibody
Antigen Description	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	MUTYH mutY homolog [Homo sapiens (human)]
Official Symbol	MUTYH
Synonyms	MUTYH; mutY homolog; MYH; CYP2C; A/G-specific adenine DNA glycosylase;
Entrez Gene ID	4595

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

mRNA Refseq	NM_001048171.1
Protein Refseq	NP_001041636.1
UniProt ID	E5KP27
Chromosome Location	1p34.1
Pathway	Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-Excision Repair, AP Site Formation, organism-specific biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem; Cleavage of the damaged purine, organism-specific biosystem; DNA Repair, organism-specific biosystem; Depurination, organism-specific biosystem; Displacement of DNA glycosylas
Function	4 iron, 4 sulfur cluster binding; NOT MutLalpha complex binding; NOT MutLbeta complex binding; MutSalpha complex binding; NOT MutSbeta complex binding; hydrolase activity, acting on glycosyl bonds; metal ion binding; protein binding;

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