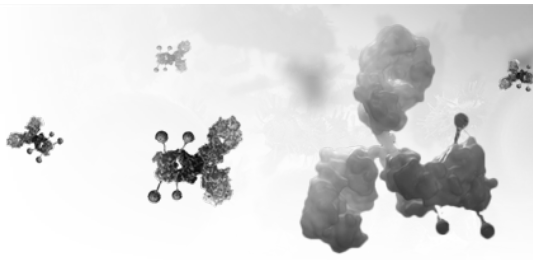

Mouse OGG1 blocking peptide (CDBP2115)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Ogg1 (mouse) antibody
Antigen Description	This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region of this gene classifies splice variants into two major groups, type 1 and type 2, depending on the last exon of the sequence. Type 1 alternative splice variants end with exon 7 and type 2 end with exon 8. All variants share the N-terminal region in common, which contains a mitochondrial targeting signal that is essential for mitochondrial localization. Many alternative splice variants for this gene have been described, but the full-length nature for every variant has not been determined. [provided by RefSeq, Aug 2008]
Species	Mouse
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

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Gene Name	Ogg1 8-oxoguanine DNA-glycosylase 1 [Mus musculus]
Official Symbol	OGG1
Synonyms	OGG1; 8-oxoguanine DNA-glycosylase 1; N-glycosylase/DNA lyase; Mmh;
Entrez Gene ID	18294
mRNA Refseq	NM_010957
Protein Refseq	NP_035087
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;
Function	8-oxo-7,8-dihydroguanine DNA N-glycosylase activity; DNA N-glycosylase activity; DNA N-glycosylase activity; DNA-(apurinic or apyrimidinic site) lyase activity; catalytic activity; damaged DNA binding; hydrolase activity; hydrolase activity, acting on gly

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