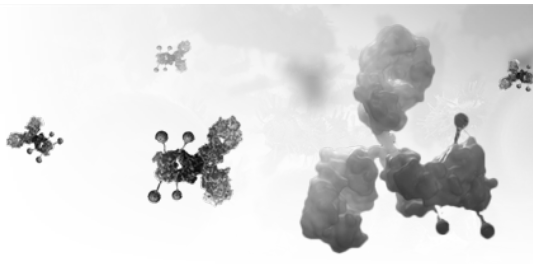

FTO blocking peptide (CDBP5467)

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

PRODUCT INFORMATION

Antigen Description	This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes. [provided by RefSeq, Jul 2011]
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	FTO fat mass and obesity associated [Homo sapiens (human)]
Official Symbol	FTO
Synonyms	FTO; fat mass and obesity associated; ALKBH9; alpha-ketoglutarate-dependent dioxygenase FTO; protein fto; AlkB homolog 9; fat mass and obesity-associated protein
Entrez Gene ID	79068

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mRNA Refseq	NM_001080432
Protein Refseq	NP_001073901
UniProt ID	Q9C0B1
Function	DNA-N1-methyladenine dioxygenase activity; ferrous iron binding; oxidative DNA demethylase activity; oxidative RNA demethylase activity

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