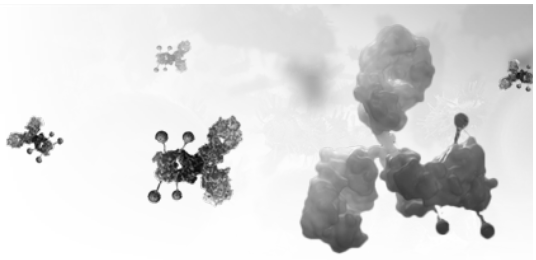

Human KDM2A peptide (DAG-P0474)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class and, in addition to an F-box, contains at least six highly degenerated leucine-rich repeats. This family member plays a role in epigenetic silencing. It nucleates at CpG islands and specifically demethylates both mono- and di-methylated lysine-36 of histone H3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Specificity	Widely expressed, with highest levels in brain, testis and ovary, followed by lung.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the JHDM1 histone demethylase family.Contains 1 CXXC-type zinc finger.Contains 1 F-box domain.Contains 1 JmjC domain.Contains 6 LRR (leucine-rich) repeats.Contains 1 PHD-type zinc finger.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	KDM2A lysine (K)-specific demethylase 2A [Homo sapiens (human)]

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

Official Symbol	KDM2A
Synonyms	KDM2A; lysine (K)-specific demethylase 2A; FBL7; CXXC8; FBL11; FBXL11; JHDM1A; LILINA; lysine-specific demethylase 2A; F-box/LRR-repeat protein 11; CXXC-type zinc finger protein 8; [Histone-H3]-lysine-36 demethylase 1A; F-box and leucine-rich repeat protein 11; jumonji C domain-containing histone demethylase 1A; jmjC domain-containing histone demethylation protein 1A;
Entrez Gene ID	22992
mRNA Refseq	NM_001256405.1
Protein Refseq	NP_001243334.1
UniProt ID	Q9Y2K7
Chromosome Location	11q13.2
Function	histone demethylase activity (H3-K36 specific); unmethylated CpG binding; zinc ion binding;

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