



Human H2AFY2 blocking peptide (DAG-P0702)

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

PRODUCT INFORMATION

Antigen Description	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. May be involved in stable X chromosome inactivation.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Contains 1 histone H2A domain.Contains 1 Macro domain.
Format	Liquid
Buffer	Information available upon request.
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	H2AFY2 H2A histone family, member Y2 [Homo sapiens (human)]
Official Symbol	H2AFY2
Synonyms	H2AFY2; H2A histone family, member Y2; macroH2A2; core histone macro-H2A.2; mH2A2; histone macroH2A2; core histone macroH2A2.2;

Entrez Gene ID	55506
mRNA Refseq	NM_018649.2
Protein Refseq	NP_061119.1
UniProt ID	Q9P0M6
Chromosome Location	10q22.1
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Systemic lupus erythematosus, organism-specific biosystem; Systemic lupus erythematosus, conserved biosystem;
Function	chromatin DNA binding; protein heterodimerization activity; transcription regulatory region DNA binding;