



ARID1A peptide (DAG-P0068)

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 SWI/SNF family, whose members have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. It possesses at least two conserved domains that could be important for its function. First, it has a DNA-binding domain that can specifically bind an AT-rich DNA sequence known to be recognized by a SNF/SWI complex at the beta-globin locus. Second, the C-terminus of the protein can stimulate glucocorticoid receptor-dependent transcriptional activation. It is thought that the protein encoded by this gene confers specificity to the SNF/SWI complex and may recruit the complex to its targets through either protein-DNA or protein-protein interactions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Specificity	Highly expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon, and PBL, and at a much lower level in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 ARID domain.
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 [ARID1A AT rich interactive domain 1A \(SWI-like\) \[Homo sapiens \(human\) \]](#)

Official Symbol	ARID1A
Synonyms	ARID1A; AT rich interactive domain 1A (SWI-like); ELD; B120; OSA1; P270; hELD; BM029; MRD14; hOSA1; BAF250; C1orf4; BAF250a; SMARCF1; AT-rich interactive domain-containing protein 1A; osa homolog 1; SWI-like protein; brain protein 120; OSA1 nuclear protein; BRG1-associated factor 250a; SWI/SNF complex protein p270; chromatin remodeling factor p250; ARID domain-containing protein 1A; SWI/SNF-related, matrix-associated, actin-dependent regulator of chromatin subfamily F member 1;
Entrez Gene ID	8289
mRNA Refseq	NM_006015.4
Protein Refseq	NP_006006.3
UniProt ID	O14497
Chromosome Location	1p35.3
Pathway	Prostate Cancer, organism-specific biosystem;
Function	DNA binding; DNA binding; ligand-dependent nuclear receptor binding; nucleosome binding; protein binding; transcription coactivator activity;