



# Human CBX2 peptide (DAG-P0320)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a component of the polycomb multiprotein complex, which is required to maintain the transcriptionally repressive state of many genes throughout development via chromatin remodeling and modification of histones. Disruption of this gene in mice results in male-to-female gonadal sex reversal. Mutations in this gene are also associated with gonadal dysgenesis in humans. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Mar 2010]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 1 A.T hook DNA-binding domain.Contains 1 chromo domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">CBX2 chromobox homolog 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CBX2
<b>Synonyms</b>	CBX2; chromobox homolog 2; M33; CDCA6; SRXY5; chromobox protein homolog 2; modifier 3; Pc class homolog; cell division cycle associated 6; chromobox homolog 2 (Pc class homolog, Drosophila);
<b>Entrez Gene ID</b>	<a href="#">84733</a>

<b>mRNA Refseq</b>	<a href="#">NM_005189.2</a>
<b>Protein Refseq</b>	<a href="#">NP_005180.1</a>
<b>UniProt ID</b>	Q14781
<b>Chromosome Location</b>	17q25.3
<b>Pathway</b>	Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Oxidative Stress Induced Senescence, organism-specific biosystem;
<b>Function</b>	DNA binding; chromatin binding; methylated histone residue binding; protein binding;