



# Anti-DR1 monoclonal antibody (DCABH-11328)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription.
<b>Immunogen</b>	A synthetic peptide of human DR1 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DR1 down-regulator of transcription 1, TBP-binding (negative cofactor 2) [ Homo sapiens ]</a>
<b>Official Symbol</b>	DR1
<b>Synonyms</b>	DR1; down-regulator of transcription 1, TBP-binding (negative cofactor 2); protein Dr1; NC2; NC2 BETA; negative cofactor 2-beta; TATA-binding protein-associated phosphoprotein; NC2-BETA;
<b>Entrez Gene ID</b>	<a href="#">1810</a>
<b>Protein Refseq</b>	<a href="#">NP_001929</a>
<b>UniProt ID</b>	<a href="#">Q01658</a>
<b>Chromosome Location</b>	1p22.1
<b>Function</b>	DNA binding; TBP-class protein binding; protein binding; sequence-specific DNA binding; transcription corepressor activity; transcription factor binding;