



Anti-DBP-7 polyclonal antibody (DPAB15824)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-DBP-7 Polyclonal Antibody
Target	DBP-7
Immunogen	E. coli expressed recombinant human DBP-7
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity purified
Conjugate	Unconjugated
Applications	WB
Concentration	0.5 mg/ml
Size	100 µg
Preservative	None
Storage	-20°C

BACKGROUND

Introduction	Structural proteins that bind DNA are well-understood examples of non-specific DNA-protein interactions. Within chromosomes, DNA is held in complexes with structural proteins. These proteins organize the DNA into a compact structure called chromatin. In eukaryotes this structure involves DNA binding to a complex of small basic proteins called histones, while in
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prokaryotes multiple types of proteins are involved.[83][84] The histones form a disk-shaped complex called a nucleosome, which contains two complete turns of double-stranded DNA wrapped around its surface. These non-specific interactions are formed through basic residues in the histones making ionic bonds to the acidic sugar-phosphate backbone of the DNA, and are therefore largely independent of the base sequence.[85] Chemical modifications of these basic amino acid residues include methylation, phosphorylation and acetylation.[86] These chemical changes alter the strength of the interaction between the DNA and the histones, making the DNA more or less accessible to transcription factors and changing the rate of transcription.[87] Other non-specific DNA-binding proteins in chromatin include the high-mobility group proteins, which bind to bent or distorted DNA.[88] These proteins are important in bending arrays of nucleosomes and arranging them into the larger structures that make up chromosomes.

Keywords

Binding Protein-7; Rabbit Anti-DBP-7 Polyclonal Antibody; Anti-DBP-7 Polyclonal Antibody; DBP-7 Polyclonal Antibody Rabbit Anti-DBP-7 PAb; Anti-DBP-7 PAb; DBP-7 PAb; Rabbit Anti-DBP-7 Antibody; Anti-DBP-7 Antibody; DBP-7 Antibody
