



Anti-HOXA7 (aa 58-112) polyclonal antibody (DPAB-DC1590)

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

PRODUCT INFORMATION

Antigen Description	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the <i>antennapedia</i> (<i>Antp</i>) gene of <i>Drosophila</i> .
Immunogen	HOXA7 (NP_008827, 58 a.a. ~ 112 a.a) partial recombinant protein with GST tag. The sequence is NSPLYQSPFASGYGLGADAYGNLPCASYDQNIPGLCSDLAKGACDKTDEGALHGA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HOXA7 homeobox A7 [Homo sapiens (human)]
Official Symbol	HOXA7
Synonyms	HOXA7; homeobox A7; ANTP; HOX1; HOX1A; HOX1.1; homeobox protein Hox-A7; homeobox A7; homeobox protein HOX-1A; homeobox protein Hox 1.1;
Entrez Gene ID	3204
Protein Refseq	NP_008827
UniProt ID	P31268
Chromosome Location	7p15.2
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;
