



# Anti-HOXB4 (aa 1-60) polyclonal antibody (DPAB-DC1594)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Intracellular or ectopic expression of this protein expands hematopoietic stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion.
<b>Immunogen</b>	HOXB4 (NP_076920, 1 a.a. ~ 60 a.a) partial recombinant protein with GST tag. The sequence is MAMSSFLINSNYVDPKFPPCEEYSQSDYLPSDHSPGYAGGQRRESSFQPEAGFGRRAC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<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="#">HOXB4 homeobox B4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HOXB4
<b>Synonyms</b>	HOXB4; homeobox B4; HOX2; HOX2F; HOX-2.6; homeobox protein Hox-B4; homeo box 2F; homeo box B4; homeobox protein Hox-2F; homeobox protein Hox-2.6;
<b>Entrez Gene ID</b>	<a href="#">3214</a>
<b>Protein Refseq</b>	<a href="#">NP_076920</a>
<b>UniProt ID</b>	<a href="#">P17483</a>
<b>Chromosome Location</b>	17q21.32
<b>Function</b>	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;