

## Product datasheet for **TA345376**

### HOXB4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HOXB4 antibody: synthetic peptide directed towards the N terminal of human HOXB4. Synthetic peptide located within the following region: AMSSFLINSNYVDPKFPPCEEYSQSDYLPSDHSPGYAGGQRRESSFQPE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 kDa
Gene Name:	homeobox B4
Database Link:	<a href="#">NP_076920</a> <a href="#">Entrez Gene 3214 Human P17483</a>



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**Background:**

HOXB4 belongs to ANTP homeobox family. It is a nuclear protein with a homeobox DNA-binding domain. This gene is included in a cluster of homeobox B genes located on chromosome 17. HOXB4 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

HOX-2.6; HOX2; HOX2F

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%

**Protein Families:**

ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

**Product images:**

WB Suggested Anti-HOXB4 Antibody; Titration: 1 ug/ml; Positive Control: Jurkat Whole Cell