

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: AMSSFLINSNYVDPKFPPCEEYSQSDYLPSDHSPGYYAGGQRRESSFQPE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

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: NP 076920

Entrez Gene 3214 Human

P17483



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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

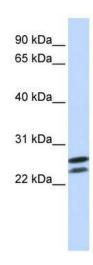
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse:

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