

Product datasheet for **TA344486**

HOXB5 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-HOXB5 antibody: synthetic peptide directed towards the N terminal of human HOXB5. Synthetic peptide located within the following region: DPAAMHTGSYGNYNGMDLSVNRSSASSSHFGAVGESSRAFPAPAQEPRF
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:	29 kDa
Gene Name:	homeobox B5
Database Link:	NP_002138 Entrez Gene 3215 Human P09067



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Background:

HOXB5 belongs to ANTP homeobox family. It is a nuclear protein with a homeobox DNA-binding domain. HOXB5 gene is included in a cluster of homeobox B genes located on chromosome 17. The protein functions as a sequence-specific transcription factor that is involved in lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. 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 lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. 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:

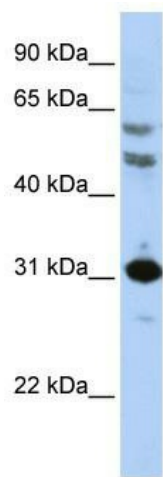
HHO.C10; HOX2; Hox2.1; HOX2A; HU-1

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Mouse: 93%; Rabbit: 93%; Guinea pig: 93%

Protein Families:

Transcription Factors

Product images:

WB Suggested Anti-HOXB5 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: HepG2 cell lysate