

Product datasheet for **TA329288**

HOXB5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
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: MSSYFVNSFSGRYPNGPDYQLLNYSGSSLSGSYRDPAAAMHTGSYGYNYN
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>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	homeobox B5
Database Link:	NP_002138 Entrez Gene 3215 Human P09067



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Background: HOXB5 belongs to the homeobox family. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17. The exact role of this gene has yet to be determined. 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.

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

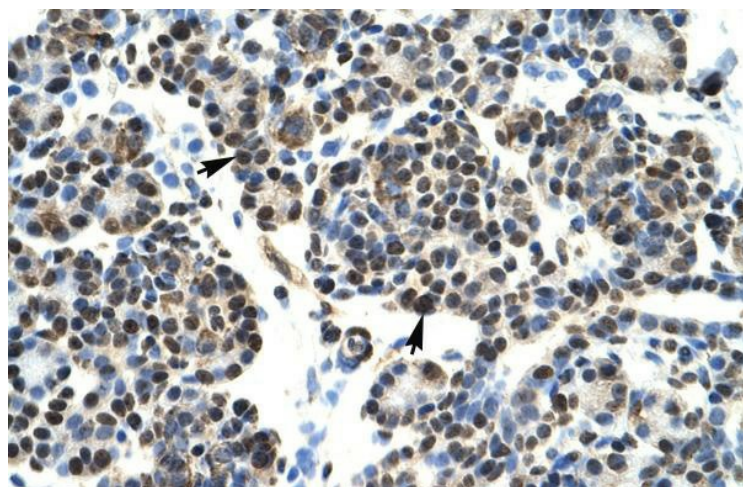
Note: Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

Protein Families: Transcription Factors

Product images:



WB Suggested Anti-HOXB5 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:312500; Positive
Control: Jurkat cell lysate



Human Pancrease lysate