

Datasheet for ABIN2787516
anti-HOXB5 antibody (N-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	HOXB5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXB5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HOXB5
Sequence:	DPAAMHTGSY GYNYNGMDLS VNRSSASSSH FGAVGESSRA FPAPAEPRF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HOXB5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HOXB5
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Target Details

Alternative Name: HOXB5 ([HOXB5 Products](#))

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.

Alias Symbols: HHO.C10, HOX2, HOX2A, HU-1, Hox2.1

Protein Interaction Partner: MAGEA11, CTBP2, CTBP1, TRIM23, UBC,

Protein Size: 269

Molecular Weight: 29 kDa

Gene ID: 3215

NCBI Accession: [NM_002147](#), [NP_002138](#)

UniProt: [P09067](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 269 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

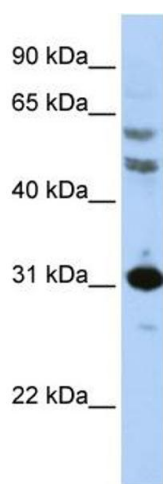
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: Diagnostic microbiology and infectious disease , Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-HOXB5 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: HepG2 cell lysate