

HOXB6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11711C

Product Information

Application	WB, IHC-P, E
Primary Accession	P17509
Other Accession	P09023 , NP_061825.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24648
Calculated MW	25432
Antigen Region	128-155

Additional Information

Gene ID	3216
Other Names	Homeobox protein Hox-B6, Homeobox protein Hox-22, Homeobox protein Hox-2B, Homeobox protein Hu-2, HOXB6, HOX2B
Target/Specificity	This HOXB6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-155 amino acids from the Central region of human HOXB6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HOXB6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HOXB6
Synonyms	HOX2B

Function	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.
Cellular Location	Nucleus.

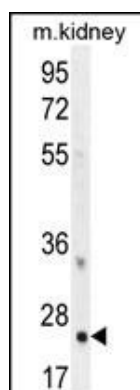
Background

This gene is a member of the Antp homeobox family and encodes a 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, including that of lung and skin, and has been localized to both the nucleus and cytoplasm. Altered expression of this gene or a change in the subcellular localization of its protein is associated with some cases of acute myeloid leukemia and colorectal cancer.

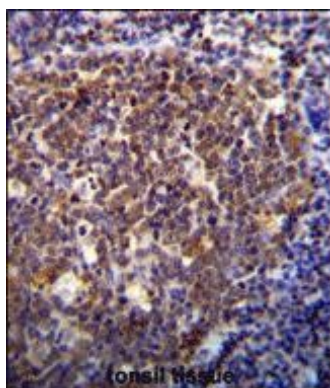
References

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Lamesch, P., et al. Genomics 89(3):307-315(2007)
Chen, T., et al. Eur. J. Hum. Genet. 15(1):23-28(2007)
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Images



HOXB6 Antibody (Center) (Cat. #AP11711c) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the HOXB6 antibody detected the HOXB6 protein (arrow).



HOXB6 Antibody (Center) (Cat. #AP11711c) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HOXB6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.