

Product datasheet for **AP52079PU-N**

HOXB6 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/1000. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 128-155 amino acids from the Central region of Human HOXB6 / HOX2B
Specificity:	This antibody recognizes Human and Mouse HOXB6 / HOX2B (Center). Other species not tested.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	homeobox B6
Database Link:	Entrez Gene 15414 Mouse Entrez Gene 3216 Human P17509



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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.

Synonyms:

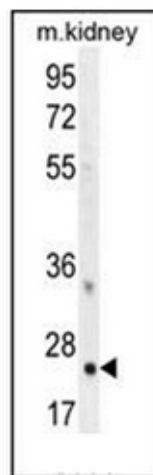
Homeobox protein Hox-B6, Hox-2B, Hox-2.2, HU-2

Note:

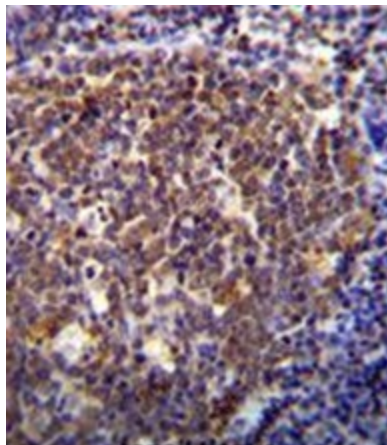
Molecular Weight: 25432 Da

Protein Families:

Transcription Factors

Product images:


Western blot analysis of HOXB6 / HOX2B Antibody (Center) in mouse kidney tissue lysates (35ug/lane). This demonstrates the HOXB6 antibody detected the HOXB6 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue reacted with HOXB6 / HOX2B Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.