

**HOXB13 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19162b****Specification**

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**HOXB13 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O92826</a>
Other Accession	<a href="#">Q1ECY2</a> , <a href="#">P70321</a> , <a href="#">NP_006352.2</a>
Reactivity	Mouse
Predicted	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30676
Antigen Region	223-251

**HOXB13 Antibody (C-term) - Additional Information****Gene ID** 10481**Other Names**

Homeobox protein Hox-B13, HOXB13

**Target/Specificity**

This HOXB13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 223-251 amino acids from the C-terminal region of human HOXB13.

**Dilution**

WB~~1:1000

**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**

HOXB13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HOXB13 Antibody (C-term) - Protein Information****Name** HOXB13**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. Binds preferentially to methylated DNA (PubMed:[28473536](#)).

#### Cellular Location

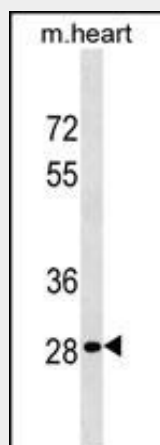
Nucleus.

#### HOXB13 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### HOXB13 Antibody (C-term) - Images



HOXB13 Antibody (C-term) (Cat. #AP19162b) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the HOXB13 antibody detected the HOXB13 protein (arrow).

#### HOXB13 Antibody (C-term) - Background

This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic development. This gene has been implicated to play a role in fetal skin development and cutaneous regeneration. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in body patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region.

#### HOXB13 Antibody (C-term) - References

McMullin, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 107(1):98-103(2010)

Kim, Y.R., et al. Mol. Cancer 9, 124 (2010) :  
Norris, J.D., et al. Mol. Cell 36(3):405-416(2009)  
Goetz, M.P., et al. Clin. Cancer Res. 14(18):5864-5868(2008)  
Rodriguez, B.A., et al. Carcinogenesis 29(7):1459-1465(2008)