

HOXB3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12576c**Specification**

HOXB3 Antibody (Center) - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | P14651 |
| Other Accession | NP_002137.4 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 44340 |
| Antigen Region | 119-148 |

HOXB3 Antibody (Center) - Additional Information**Gene ID** 3213**Other Names**

Homeobox protein Hox-B3, Homeobox protein Hox-27, Homeobox protein Hox-2G, HOXB3, HOX2G

Target/Specificity

This HOXB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the Central region of human HOXB3.

Dilution

WB~~1:1000

IHC-P~~1:10~50

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

HOXB3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXB3 Antibody (Center) - Protein Information**Name** HOXB3**Synonyms** HOX2G

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

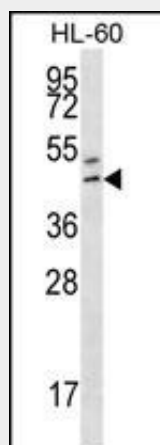
Nucleus.

HOXB3 Antibody (Center) - Protocols

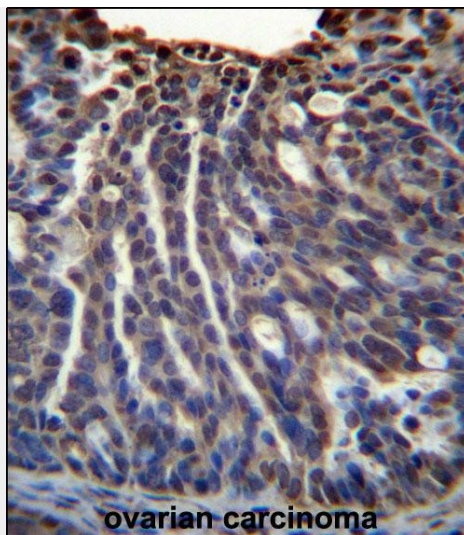
Provided below are standard protocols that you may find useful for product applications.

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

HOXB3 Antibody (Center) - Images



HOXB3 Antibody (Center) (Cat. #AP12576c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the HOXB3 antibody detected the HOXB3 protein (arrow).



HOXB3 Antibody (Center) (Cat. #AP12576c) immunohistochemistry analysis in formalin fixed and paraffin embedded human ovarian carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HOXB3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

HOXB3 Antibody (Center) - Background

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 development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML).

HOXB3 Antibody (Center) - References

Palakurthy, R.K., et al. Mol. Cell 36(2):219-230(2009)
Ferrai, C., et al. Mol. Biol. Cell 20(15):3543-3551(2009)
Chung, N., et al. Mol. Biol. Rep. 36(2):227-235(2009)
Speleman, F., et al. Leukemia 19(3):358-366(2005)
Roche, J., et al. Leukemia 18(6):1059-1063(2004)