

**HOXD8 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18731B**

**Specification**

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**HOXD8 Antibody (C-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">P13378</a>
Other Accession	<a href="#">NP_062458.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31911
Antigen Region	243-270

**HOXD8 Antibody (C-term) - Additional Information**

**Gene ID** 3234

**Other Names**

Homeobox protein Hox-D8, Homeobox protein Hox-4E, Homeobox protein Hox-54, HOXD8, HOX4E

**Target/Specificity**

This HOXD8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-270 amino acids from the C-terminal region of human HOXD8.

**Dilution**

IF~~1:10~50

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**

HOXD8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HOXD8 Antibody (C-term) - Protein Information**

**Name** HOXD8

**Synonyms** HOX4E

**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**

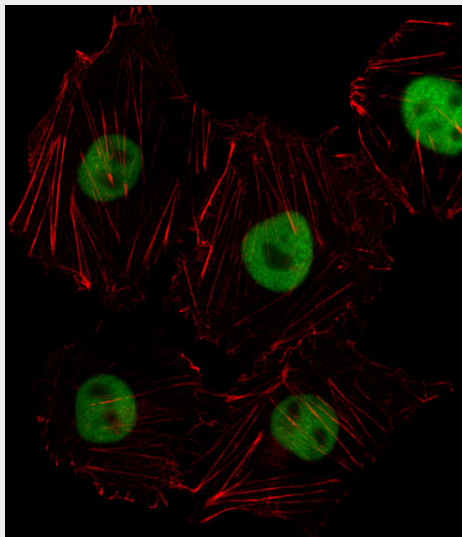
Nucleus.

**HOXD8 Antibody (C-term) - Protocols**

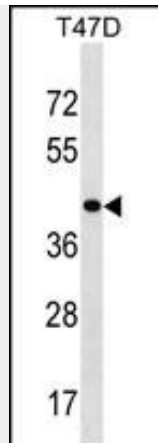
Provided below are standard protocols that you may find useful for product applications.

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

**HOXD8 Antibody (C-term) - Images**



Fluorescent image of HUVEC cell stained with HOXD8 Antibody (C-term)(Cat#AP18731b).HUVEC cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HOXD8 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C).HOXD8 immunoreactivity is localized to Nucleus significantly.



HOXD8 Antibody (C-term)(Cat. #AP18731b) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the HOXD8 antibody detected the HOXD8 protein (arrow).

### **HOXD8 Antibody (C-term) - Background**

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function.

### **HOXD8 Antibody (C-term) - References**

Ester, A.R., et al. *Am. J. Med. Genet. A* 149A (12), 2745-2752 (2009) :  
Yerges, L.M., et al. *J. Bone Miner. Res.* 24(12):2039-2049(2009)  
Harada, K., et al. *J. Cell. Sci.* 122 (PT 21), 3923-3930 (2009) :  
Goodman, F.R. *Am. J. Med. Genet.* 112(3):256-265(2002)  
Kosaki, K., et al. *Teratology* 65(2):50-62(2002)