

HOXD11 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16139c**Specification**

HOXD11 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P31277
Other Accession	NP_067015.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35197
Antigen Region	187-216

HOXD11 Antibody (Center) - Additional Information**Gene ID** 3237**Other Names**

Homeobox protein Hox-D11, Homeobox protein Hox-4F, HOXD11, HOX4F

Target/Specificity

This HOXD11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the Central region of human HOXD11.

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

HOXD11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXD11 Antibody (Center) - Protein Information**Name** HOXD11**Synonyms** HOX4F

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

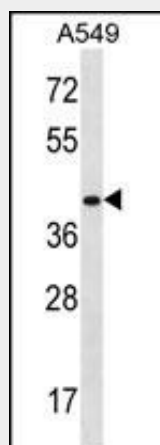
Nucleus.

HOXD11 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](#)

HOXD11 Antibody (Center) - Images



HOXD11 Antibody (Center) (Cat. #AP16139c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the HOXD11 antibody detected the HOXD11 protein (arrow).

HOXD11 Antibody (Center) - 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. The product of the mouse Hoxd11 gene plays a role in forelimb morphogenesis.

HOXD11 Antibody (Center) - References

Sugie, Y., et al. Brain Dev. 32(5):356-361(2010)
Woo, C.J., et al. Cell 140(1):99-110(2010)
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)
Bouba, I., et al. Pediatr. Nephrol. 24(8):1569-1572(2009)