

HOXD1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16263a**Specification**

HOXD1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9GZZ0
Other Accession	NP_078777.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34093
Antigen Region	14-42

HOXD1 Antibody (N-term) - Additional Information**Gene ID** 3231**Other Names**

Homeobox protein Hox-D1, Homeobox protein Hox-GG, HOXD1, HOX4, HOX4G

Target/Specificity

This HOXD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-42 amino acids from the N-terminal region of human HOXD1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

HOXD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXD1 Antibody (N-term) - Protein Information**Name** HOXD1**Synonyms** HOX4, HOX4G

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. Acts on the anterior body structures.

Cellular Location

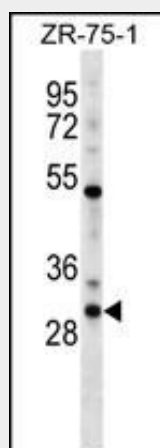
Nucleus.

HOXD1 Antibody (N-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](#)

HOXD1 Antibody (N-term) - Images



HOXD1 Antibody (N-term) (Cat. #AP16263a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the HOXD1 antibody detected the HOXD1 protein (arrow).

HOXD1 Antibody (N-term) - Background

HOXD1 is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. This nuclear protein functions as a sequence-specific transcription factor that is involved in differentiation and limb development. Mutations in this gene have been associated with severe developmental defects on the anterior-posterior (a-p) limb axis.

HOXD1 Antibody (N-term) - References

Goode, E.L., et al. Nat. Genet. 42(10):874-879(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)
Kosaki, K., et al. Teratology 65(2):50-62(2002)

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