

ARG66435 anti-HOXD3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HOXD3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody might also reacts to HOXA3 (96%) and HOXB3 (96%) based on sequence analysis.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HOXD3
Species	Human
Immunogen	Synthetic peptide around the internal region of Human HOXD3.
Conjugation	Un-conjugated
Alternate Names	Homeobox protein Hox-D3; Homeobox protein Hox-4A; HOX4; HOX4A; HOX1D; Hox-4.1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	45 kDa	

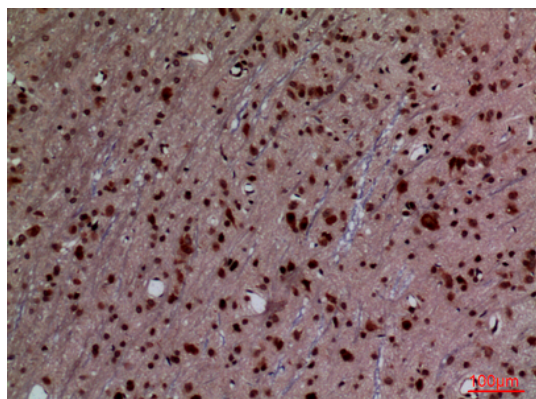
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

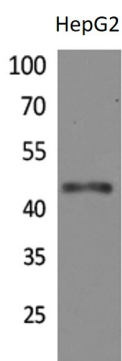
Gene Symbol	HOXD3
Gene Full Name	homeobox D3
Background	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene 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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in the regulation of cell adhesion processes. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	46 kDa
Cellular Localization	Nucleus. [UniProt]

Images



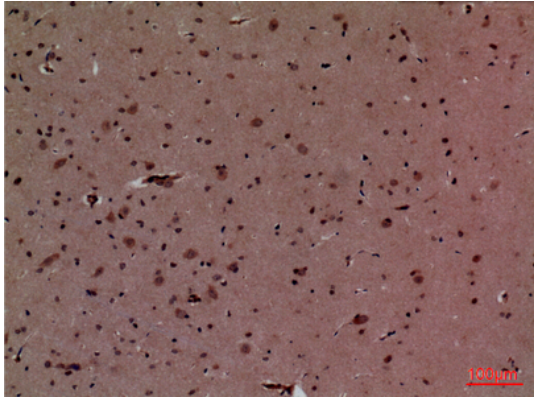
ARG66435 anti-HOXD3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG66435 anti-HOXD3 antibody at 1:100 dilution.



ARG66435 anti-HOXD3 antibody WB image

Western blot: HepG2 cell lysate stained with ARG66435 anti-HOXD3 antibody.



ARG66435 anti-HOXD3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG66435 anti-HOXD3 antibody at 1:100 dilution.