ARG58909
anti-HOXA10 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HOXA10
Tested Reactivity	Hu
Predict Reactivity	Ms, Cow, Pig
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HOXA10
Species	Human
Immunogen	Synthetic peptide from the internal region of Human HOXA10. (NP_061824.3) (PQATSCSFAQNIKE)
Conjugation	Un-conjugated
Alternate Names	Homeobox protein Hox-1H; HOX1; HOX1.8; Homeobox protein Hox-A10; Homeobox protein Hox-1.8; PL; HOX1H

Application Instructions

Application table

Application	Dilution
IHC-P	7 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 37 kDa

Properties

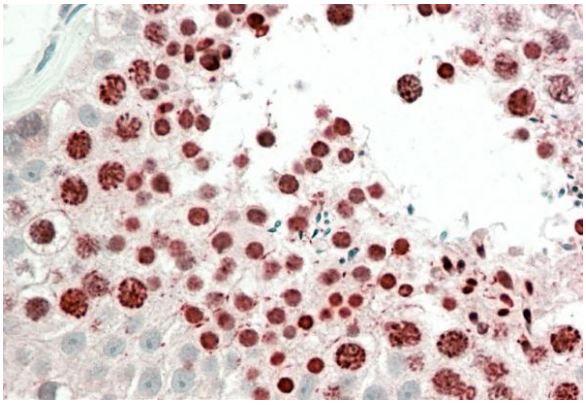
Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

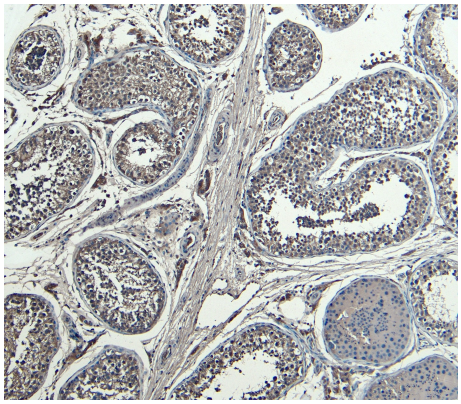
Gene Symbol	HOXA10
Gene Full Name	homeobox A10
Background	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the downstream homeobox A9 (HOXA9) gene. [provided by RefSeq, Mar 2011]
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. Binds to the DNA sequence 5'-AA[AT]TTTTATTAC-3'. [UniProt]
Calculated Mw	42 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG58909 anti-HOXA10 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis stained with ARG58909 anti-HOXA10 antibody at 5 µg/ml dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).



ARG58909 anti-HOXA10 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG58909 anti-HOXA10 antibody at 7 µg/ml dilution followed by HRP-staining.