

ARG65650 anti-DMRT2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DMRT2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	IHC-P
Specificity	This antibody is expected to recognize isoform 2 only (NP_870987.2). Reported variants NP_001124337.1 and NP_006548.1 represent identical protein
Host	Goat
Clonality	Polyclonal
Target Name	DMRT2
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human DMRT2 (C-KRPSSAITRVSQ)
Conjugation	Un-conjugated
Alternate Names	Doublesex-like 2 protein; Doublesex- and mab-3-related transcription factor 2; DSXL-2

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 4 µg/ml

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

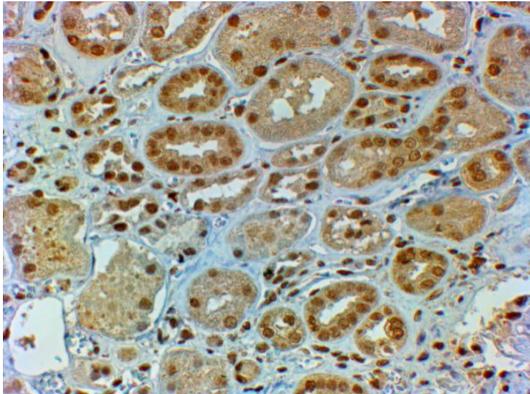
Properties

Form	Liquid
Purification	Affinity purified
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

Database links	GeneID: 10655 Human Swiss-port # Q9Y5R5 Human
Gene Symbol	DMRT2
Gene Full Name	doublesex and mab-3 related transcription factor 2
Background	The protein encoded by this gene belongs to the DMRT gene family, sharing a DM DNA-binding domain with <i>Drosophila</i> 'doublesex' (dsx) and <i>C. elegans</i> mab3, genes involved in sex determination in these organisms. Also, this gene is located in a region of the human genome (chromosome 9p24.3) associated with gonadal dysgenesis and XY sex reversal. Hence this gene is one of the candidates for sex-determining gene(s) on chr 9. [provided by RefSeq, Apr 2010]
Function	Transcriptional activator that directly regulates early activation of the myogenic determination gene MYF5 by binding in a sequence-specific manner to the early epaxial enhancer element of it. Involved in somitogenesis during embryogenesis and somite development and differentiation into sclerotome and dermomyotome. Required for the initiation and/or maintenance of proper organization of the sclerotome, dermomyotome and myotome (By similarity). [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	62 kDa

Images



ARG65650 anti-DMRT2 antibody IHC image

Immunohistochemistry: paraffin embedded Human Kidney stained with ARG65650 anti-DMRT2 antibody at 2 µg/ml dilution. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.