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DMRT2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21775c

Product Information

Application	WB, E
Primary Accession	Q9Y5R5
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53639
Calculated MW	61814

Additional Information

Gene ID	10655
Other Names	Doublesex- and mab-3-related transcription factor 2, Doublesex-like 2 protein, DSXL-2, DMRT2, DSXL2
Target/Specificity	This DMRT2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 357-392 amino acids from the Central region of human DMRT2.
Dilution	WB~~1:2000 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	DMRT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DMRT2 {ECO:0000303|PubMed:10729224, ECO:0000312|HGNC:HGNC:2935}
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).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00070}.
Tissue Location	Expressed in testis, kidney and skeletal muscle.

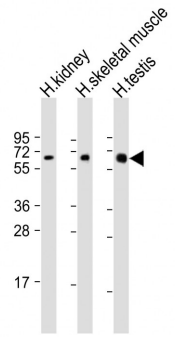
Background

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).

References

Raymond C.S.,et al.Hum. Mol. Genet. 8:989-996(1999).
Ottolenghi C.,et al.Genomics 64:179-186(2000).
Calvari V.,et al.Genomics 65:203-212(2000).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-DMRT2 Antibody (Center) at 1:2000 dilution Lane 1: human kidney lysate Lane 2: human skeletal muscle lysate Lane 3: human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.