

Datasheet for ABIN2774657

anti-DMRT1 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	DMRT1
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Dog, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMRT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DMRT1
Sequence:	PNDEAFSKPS TPSEAPHAPG VPPQGRAGGF GKASGALVGA ASGSSAGGSS
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Human, Pig (Porcine)
Predicted Reactivity:	Cow: 78%, Dog: 85%, Human: 100%, Pig: 78%, Rabbit: 92%
Characteristics:	This is a rabbit polyclonal antibody against DMRT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DMRT1
Alternative Name:	DMRT1 (DMRT1 Products)
Background:	The gene encodes the DMRT1 protein is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes. This gene exhibits a gonad-specific and sexually dimorphic expression pattern. Defective testicular development and XY feminization occur when this gene is hemizygous. This suggested that DMRT1 may be required for testis development. This gene is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes. This gene exhibits a gonad-specific and sexually dimorphic expression pattern. Defective testicular development and XY feminization occur when this gene is hemizygous. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: DMT1 Protein Interaction Partner: Dlg4, TRIM29, Protein Size: 373
Molecular Weight:	39 kDa
Gene ID:	1761
NCBI Accession:	NM_021951 , NP_068770
UniProt:	Q9Y5R6

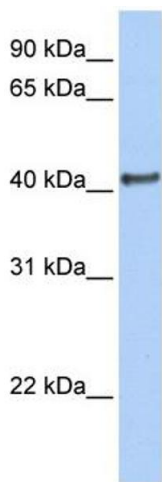
Application Details

Application Notes:	WB Suggested Anti-DMRT1 Antibody Titration: 0.2-1 µg/mL Positive Control: Human brain. Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 373 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DMRT1 Antibody Titration: 0.2-1 ug/ml Positive Control: Human brain