

### Product datasheet for TA807517

# OriGene Technologies, Inc.

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## **DMRT1 Mouse Monoclonal Antibody [Clone ID: OTI1G10]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI1G10

Applications: WB

Recommended Dilution: WB 1:2000

Reactivity: Human
Host: Mouse
Isotype: IgG2b

Clonality: Monoclonal

**Immunogen:** Human recombinant protein fragment corresponding to amino acids 1-210 of human

DMRT1(NP\_068770) produced in E.coli.

**Formulation:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 39.3 kDa

**Gene Name:** doublesex and mab-3 related transcription factor 1

Database Link: NP 068770

Entrez Gene 1761 Human

Q9Y5R6

**Background:** 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. [provided by RefSeq, Jul 2008]

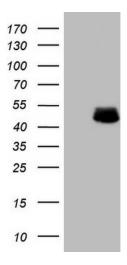




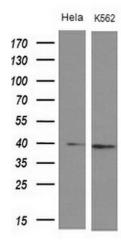
Synonyms: CT154; DMT1

**Protein Families:** Druggable Genome, Transcription Factors

# **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DMRT1 ([RC208108], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DMRT1. Positive lysates [LY411862] (100ug) and [LC411862] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-DMRT1 monoclonal antibody at 1:200 dilution.