

## Product datasheet for **TA809630BM**

### **PAX3 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4D1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI4D1
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PAX3(NP_852123) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53.3 kDa
Gene Name:	paired box 3
Database Link:	<a href="#">NP_852123</a> <a href="#">Entrez Gene 18505 Mouse</a> <a href="#">Entrez Gene 114502 Rat</a> <a href="#">Entrez Gene 5077 Human</a> <a href="#">P23760</a>



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**Background:**

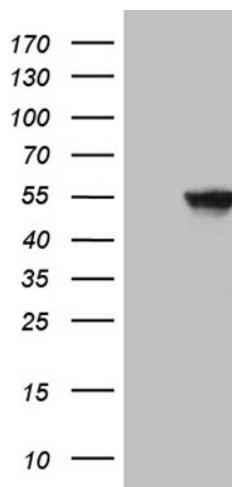
This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini. [provided by RefSeq, Jul 2008]

**Synonyms:**

CDHS; HUP2; WS1; WS3

**Protein Families:**

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PAX3 (Cat# [RC219852], 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-PAX3 (Cat# [TA809630])(1:2000). Positive lysates [LY405767] (100ug) and [LC405767] (20ug) can be purchased separately from OriGene.