

## Product datasheet for **TA309324**

### Dux4 (DUX4L1) Mouse Monoclonal Antibody [Clone ID: P2B1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	P2B1
Applications:	IF, WB
Recommended Dilution:	WB, IF, IHC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	C-terminal 76 amino acids of DUX4 with glutathione-s-transferase (gst) tag
Formulation:	TBS pH7.4, 50% glycerol
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	double homeobox 4 like 1
Database Link:	<a href="#">NP_149418</a> <a href="#">Entrez Gene 22947 Human</a>

**Background:** This gene is located within a D4Z4 repeat array in the subtelomeric region of chromosome 4q. The D4Z4 repeat is polymorphic in length; a similar D4Z4 repeat array has been identified on chromosome 10. Each D4Z4 repeat unit has an open reading frame (named DUX4) that contains two homeoboxes; the repeat-array and ORF is conserved in other mammals. There was no evidence for transcription from standard cDNA libraries however RTPCR and in-vitro expression experiments indicate that the ORF is transcribed and the encoded protein has been reported to function as a transcriptional activator of paired-like homeodomain transcription factor 1 (PITX1; GeneID 5307). Contraction of the microsatellite repeat causes autosomal dominant facioscapulohumeral muscular dystrophy (FSHD). [provided by RefSeq]

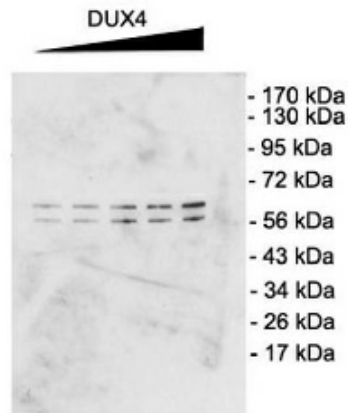
**Synonyms:** DUX10



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**Product images:**

P2G4 anti-DUX4 mouse monoclonal



Western blot using anti-DUX4 N-terminus mouse monoclonal on C2C12 cells transfected with pCS2+DUX4, which contains an additional upstream start site.

