

MaxPab®

# DUX4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00022947-B01P

Size 500 ug

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DUX4 protein.
Immunogen	DUX4 (AAI60122.1, 1 a.a. ~ 424 a.a) full-length human protein.
Sequence	MALPTPSDSTLP AEARGRGRRRRLVWTPSQSEALRACFERNPYPGIATRERLAQAIGIPEPRVQIW FQNERSRQLRQHRRESRPWPGRRGPPEGRRKRTAVTGSQTALLLRAFEKDRFPGIAAREELARE TGLPESRIQWIFQNRARHPGQGGRAPAQAGGLCSAAPGGGHPAPSWVAF AHTGAWGTGLPAP HVPCAPGALPQGAFVSQAARAAPALQPSQAAPAEGVSQPAPARGDFAYAAPAPPDGALSH PQ APRWPPHPGKSREDRDPQRDGLPGPCAVAQPGPAQAGPQQGVLAPPTSQGSPPWWGWGRG PQVAGAAWEPQAGAAPPPQPAPPDASASARQQMQGIPAPSQALQEPAPWSALPCGLLLDEL LASPEFLQQAQPLLETEAPGELEASEEEAASLEAPLSEEEYRALLEEL
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

## Gene Info — DUX4

Entrez GeneID

[22947](#)

GeneBank Accession#	<a href="#">BC160122.1</a>
Protein Accession#	<a href="#">AA160122.1</a>
Gene Name	DUX4
Gene Alias	DUX10
Gene Description	double homeobox, 4
Omim ID	<a href="#">606009</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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]</p>
Other Designations	double homeobox protein 4 double homeobox protein DUX10

## Disease

- [Muscular Dystrophy](#)