DNAxPAb | Hard-to-Find Antibody

DUX4 DNAxPab

Catalog # H00022947-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUX4 DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MALPTPSDSTLPAEARGRGRRRRLVWTPSQSEALRACFERNPYPGIATRERLAQAIGIPEPRVQIW FQNERSRQLRQHRRESRPWPGRRGPPEGRRKRTAVTGSQTALLLRAFEKDRFPGIAAREELARE TGLPESRIQIWFQNRRARHPGQGGRAPAQAGGLCSAAPGGGHPAPSWVAFAHTGAWGTGLPAP HVPCAPGALPQGAFVSQAARAAPALQPSQAAPAEGVSQPAPARGDFAYAAPAPPDGALSHPQ APRWPPHPGKSREDRDPQRDGLPGPCAVAQPGPAQAGPQGQGVLAPPTSQGSPWWGWGRG PQVAGAAWEPQAGAAPPPQPAPPDASASARQGQMQGIPAPSQALQEPAPWSALPCGLLLDEL LASPEFLQQAQPLLETEAPGELEASEEAASLEAPLSEEEYRALLEEL
Host	Rabbit
Reactivity	Human
Purification	Protein A
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

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DUX4

Entrez GeneID	22947
GeneBank Accession#	BC160122.1
Protein Accession#	AAI60122.1
Gene Name	DUX4
Gene Alias	DUX10
Gene Description	double homeobox, 4
Omim ID	606009
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	double homeobox protein 4|double homeobox protein DUX10

Disease

- Muscular Dystrophy