

Datasheet

DUX4 monoclonal antibody, clone P2B1 (FITC)

Catalog Number: MAB11454

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant partial DUX4.

Clone Name: P2B1

Immunogen: Recombinant GST fusion protein corresponding to a 76 amino acid fragment at C-terminus of human DUX4.

Host: Mouse

Reactivity: Human

Applications: IF, IHC, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody recognizes human DUX4. It does not cross-react with DUX4c.

Form: Liquid

Conjugation: FITC

Purification: Protein G purification

Isotype: IgG1

Recommend Usage: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)

Storage Instruction: Store at 4°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 22947

Gene Symbol: DUX4

Gene Alias: DUX10

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]