

ARG20542 anti-DUX4 antibody [P2B1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [P2B1] recognizes DUX4
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody recognizes human DUX4. It does not cross react with DUX4c.
Host	Mouse
Clonality	Monoclonal
Clone	P2B1
Isotype	IgG1
Target Name	DUX4
Species	Human
Immunogen	Synthetic peptide around 76 aa (C-terminus) of Human DUX4 with glutathione-s-transferase (gst) tag.
Conjugation	Un-conjugated
Alternate Names	DUX4; DUX10

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	IHC-P	1:1000
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

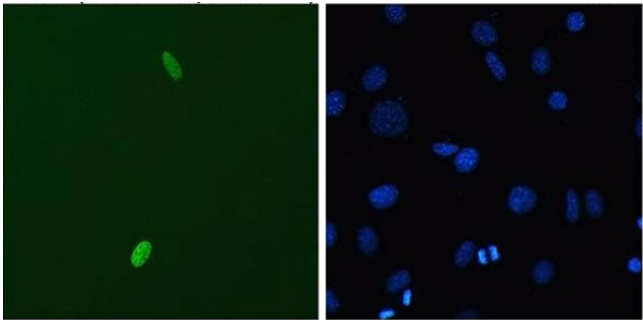
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 50% Glycerol and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

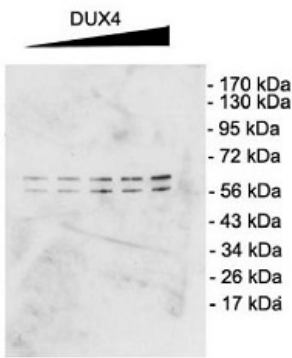
Gene Symbol	DUX4L1
Gene Full Name	double homeobox 4 like 1
Background	DUX4, or double homeobox4, is a human protein that is a transcriptional activator of paired-like homeodomain transcription factor 1. Clinically it is a facioscapulohumeral muscular dystrophy candidate gene that appears to have a toxic gain of function. In FSHD individuals, the expression of the full-length DUX4 transcript is not completely suppressed in skeletal muscle and possibly other differentiated tissues.
Highlight	Related products: anti-DUX4 antibody [P2B1]
Research Area	Developmental Biology antibody
Calculated Mw	45 kDa
Cellular Localization	Nuclear

Images



ARG20542 anti-DUX4 antibody [P2B1] ICC/IF image

Immunofluorescence: C2C12 myoblasts transfected with pCS2+DUX4, stained with ARG20542 anti-DUX4 antibody [P2B1]. Counter-stained with DAPI for nuclei.



ARG20542 anti-DUX4 antibody [P2B1] WB image

Western blot: C2C12 cells transfected with pCS2+DUX4 which contains an additional upstream start site, stained with ARG20542 anti-DUX4 antibody [P2B1].