

DUX4L9 Rabbit pAb

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Catalog # AP55588

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6RFH8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39442
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DUX4L9
Epitope Specificity	301-374/374
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Other Names	Double homeobox protein 4C, Double homeobox protein 4, centromeric, DUX4c, Double homeobox protein 4-like protein 9, DUX4L9, DUX4C
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DUX4L9
Synonyms	DUX4C
Function	Down-regulates MYOD1 expression and may up-regulate MYF5 expression (PubMed: 19829708). May regulate microRNA (miRNA) transcription, up-regulating the expression of some myogenic miRNAs, including MIR1-1, MIR133A2, MIR133B and MIR206 (PubMed: 24145033). Impairs the differentiation of myoblasts and may be involved in muscle regeneration (PubMed: 18723017 , PubMed: 36882853). Reduces DUX4-induced nuclear localization of CTNNB1/beta-catenin and its subsequent activation of target

genes (PubMed:[36158201](#)).

Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00108, ECO:0000269 | PubMed:19829708, ECO:0000269 | PubMed:26816005, ECO:0000269 | PubMed:36882853}. Cytoplasm. Note=Localizes to the nucleus in proliferating muscle cells but is predominantly cytoplasmic in muscle cells following differentiation.

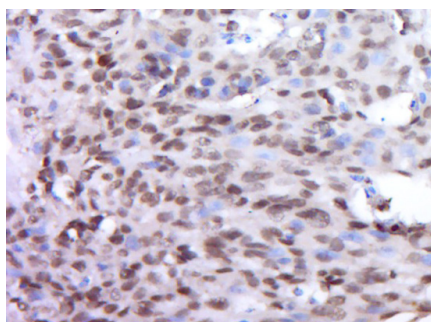
Tissue Location

Expressed in muscles, as well as in primary myoblasts and myotubes (at protein level)

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human colon cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DUX4L9) Polyclonal Antibody, Unconjugated (AP55588) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.