DU4L7 Rabbit pAb

CatalogNo: YT7473

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human	• WB

MW	Isotype
• 47kD (Calculated)	• IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human DU4L7 AA range: 314-364
Specificity	This antibody detects endogenous levels of DU4L7 at Human

Target Information

Gene name	DUX4L7

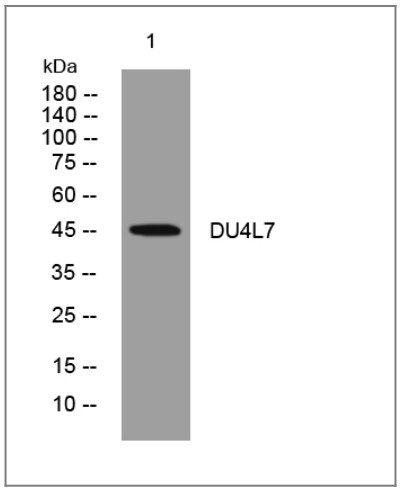
Protein Name DU4L7

Organism	Gene ID	UniProt ID
Human		P0CJ90;

Cellular Localization Nucleus .

Function Disease:Defects in DUX4 may be the cause of facioscapulohumeral muscular dystrophy (FSHD) [MIM:158900]. FSHD is characterized by weakness of the muscles of the face, upper-arm and shoulder girdle. Severity is highly variable. Weakness is slowly progressive and about 20% of affected individuals eventually require a wheelchair. Approximately 70-90% of individuals have inherited the disease-causing deletion from a parent, and approximately 10-30% of affected individuals have FSHD as the result of a de novo deletion. Offsprings of an affected individual have a 50% chance of inheriting the deletion.,Domain:Both homebox domains confer nuclear targeting.,Function:May be involved in transcriptional regulation.,miscellaneous:DUX genes are present in 3.3-kilobase elements, a tandem repeat family scattered in the genome found on the short arms of all acrocentric chromosomes as well as on several other chromosomes.,similarity:Belongs to the paired homeobox family.,similarity:Contains 2 homeobox DNA-binding domains.,subcellular location:Actively transported through the nuclear pore complex (NPC).,subunit:May exist as a monomer or a dimer.,tissue specificity:Does not seem to be expressed in normal muscle, but in muscle of individuals with FSHD, where it may be toxic to cells.,

Validation Data



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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Please scan the QR code to access additional product information:
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