



## PAX7

Antigen: Pax7

Alternate Antigen Name:

Antigen Sequence:

Antigen Molecular Weight: Predicted: 57.5 kDa; Apparent: 50, 53 and 55 kDa

Antigen Species:

Depositor: Kawakami, A.

Depositor Institution: Tokyo Institute of Technology

Depositor Email Address: kawakami.a.aa@m.titech.ac.jp

Depositor Website:

Clonality: Monoclonal

Gene: Pax7

Alternate Gene Name(s): PAX-7

Entrez Gene ID: 395942

Antibody Registry ID: AB\_528428

Uniprot ID: O42349

Immunogen : Recombinant protein (C-terminal region, aa 352-523)

Immunogen Sequence: Partial protein

Epitope Mapped: Yes

Epitope Sequence: C-terminal region, aa 418-427

Myeloma Strain: P3U1

Isotype: MIgG1, kappa light chain

Date Deposited: 7/9/1997

Hybridomas available: Yes

Immunoblotting: yes

Host Species: mouse

Positive Species Reactivity: Amphibian, Avian, Bovine, Canine, Fish, Goat, Human, Mouse, Ovine, Porcine, Rat, Turtle, Xenopus, Zebrafish

Recommended Applications:

Chromatin Immunoprecipitation, FACS, FFPE, Gel Supershift, Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot

Depositor's notes on this product:

This antibody recognizes a transcription factor in regulation of myogenesis.

Additional Product Information: This antibody recognizes the nuclei in adult skeletal muscle satellite cells

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### Product Storage Recommendations

Although many cell products are maintained at 4°C for years without loss of activity, shelf-life at 4°C is highly variable.

To ensure retention of antibody activity, we recommend aliquotting the product into two parts:

- 1) a volume of antibody stored at 4°C to be used within two weeks.
- 2) the remaining product diluted with an equal volume of molecular grade glycerol and stored at -20°C.

### Usage Recommendations

While optimal Ig concentration for an application will vary, a good starting concentration for immunohistochemistry (IHC), immunofluorescence(IF) and staining is 2-5 µg/ml.

For Western blots, the concentration is decreased by one order of magnitude (that is, 0.2-0.5 µg/ml).

We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used: The (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.

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