abcam

Product datasheet

Anti-PAX7 antibody [PAX7497] ab199010

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Overview

Product name	Anti-PAX7 antibody [PAX7497]
Description	Mouse monoclonal [PAX7497] to PAX7
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein corresponding to Human PAX7 aa 1 to the C-terminus. Database link: **P23759** Run BLAST with Run BLAST with
Positive control	HeLa, Jurkat, A431, MCF-7, U2OS and NIH/3T3 cells. Stomach or rhabdomyosarcoma.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	PAX7497
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab199010 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ **(1)**	Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 57 kDa.

Target

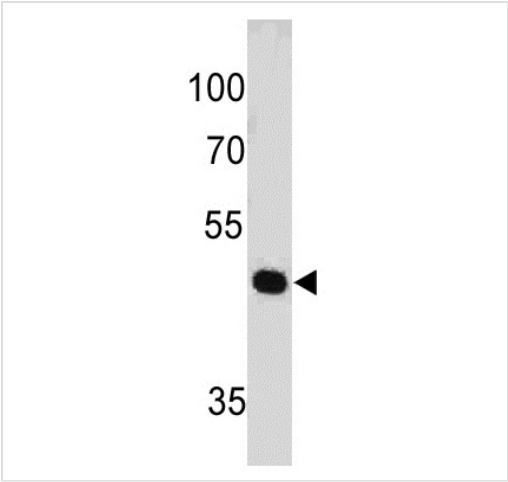
Function Probable transcription factor. May have a role in myogenesis.

Involvement in disease Defects in PAX7 are a cause of rhabdomyosarcoma type 2 (RMS2) [MIM:268220]. It is a form of rhabdomyosarcoma, a highly malignant tumor of striated muscle derived from primitive mesenchimal cells and exhibiting differentiation along rhabdomyoblastic lines. Rhabdomyosarcoma is one of the most frequently occurring soft tissue sarcomas and the most common in children. It occurs in four forms: alveolar, pleomorphic, embryonal and botryoidal rhabdomyosarcomas. Note=A chromosomal aberration involving PAX7 is found in rhabdomyosarcoma. Translocation t(1;13)(p36;q14) with FOXO1. The resulting protein is a transcriptional activator.

Sequence similarities Belongs to the paired homeobox family.
Contains 1 homeobox DNA-binding domain.
Contains 1 paired domain.

Cellular localization Nucleus.

Images



Western blot - Anti-PAX7 antibody [PAX7497] (ab199010)

Anti-PAX7 antibody [PAX7497] (ab199010) at 1 µg/ml + HeLa cell lysate

Predicted band size: 57 kDa

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