



## Product datasheet

# Anti-PAX7 antibody [PAX7497] ab199010

★★★★☆ 2 Abreviews 12 References 1 Image

### Overview

<b>Product name</b>	Anti-PAX7 antibody [PAX7497]
<b>Description</b>	Mouse monoclonal [PAX7497] to PAX7
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human PAX7 aa 1 to the C-terminus. Database link: <a href="#">P23759</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	HeLa, Jurkat, A431, MCF-7, U2OS and NIH/3T3 cells. Stomach or rhabdomyosarcoma.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
<b>Purity</b>	Protein A/G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	PAX7497
<b>Isotype</b>	IgG1
<b>Light chain type</b>	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 mesenchymal 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.

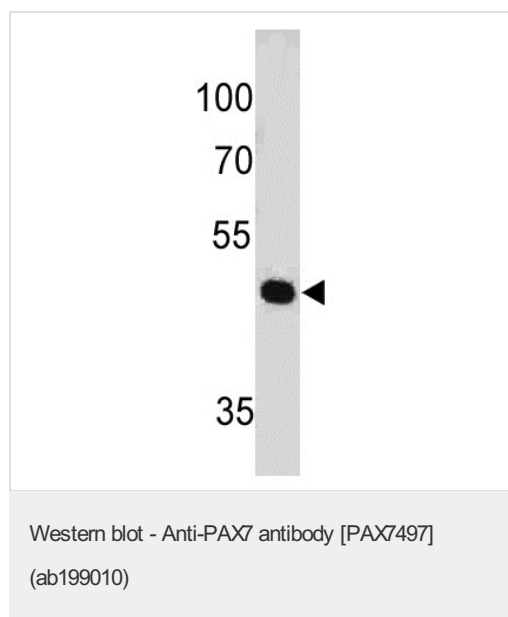
### Sequence similarities

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

### Cellular localization

Nucleus.

## Images



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

**Predicted band size:** 57 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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