

**Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13421****Specification**

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**Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Product Information**

Application	,1,3,4,
Primary Accession	<a href="#">P23759</a>
Other Accession	<a href="#">113253</a>
Reactivity	Human, Mouse, Zebrafish
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	55119

**Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Additional Information****Gene ID** 5081**Other Names**

HUP1; Paired box gene 7; Paired box homeotic gene 7; Paired domain gene HuP1; PAX7 transcriptional factor; PAX7/FKHR fusion gene; PAX7B; RMS2

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0mg/ml.

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Protein Information****Name** PAX7**Synonyms** HUP1**Function**

Transcription factor that is involved in the regulation of muscle stem cells proliferation, playing a role in myogenesis and muscle regeneration.

**Cellular Location**

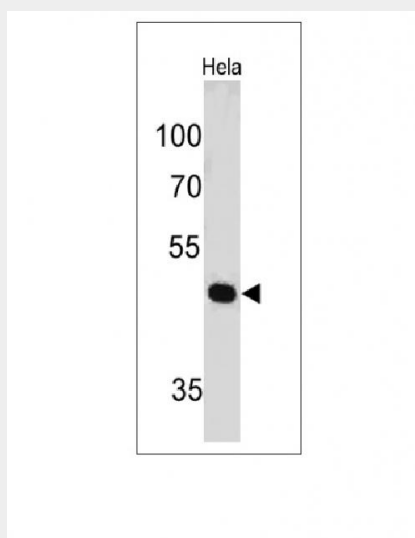
Nucleus {ECO:0000250|UniProtKB:P47239}.

## Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Images



Western Blot of HeLa Cell Lysate using PAX7 Monoclonal Antibody (PAX7/497).

## Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Background

The Pax gene family of nuclear transcription factors is comprised of nine members that function during embryogenesis to regulate the temporal and position-dependent differentiation of cells. In addition, the family is involved in a variety of signal transduction pathways in the adult organism. Mutations in the Pax family of proteins have been linked to disease and cancer in humans. Pax-7 is a protein specifically expressed in cultured satellite cell-derived myoblasts. In situ hybridization reveals that Pax-7 is also expressed in satellite cells residing in adult muscle. A chromosomal aberration in the gene encoding Pax-7 causes rhabdomyosarcoma 2 (RMS2) (also called alveolar rhabdomyosarcoma).