

**PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone SPM613 ]**  
**Catalog # AH12043**

**Specification**

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**PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - Product Information**

Application	,2,
Primary Accession	<a href="#">P23759</a>
Other Accession	<a href="#">5081</a> , <a href="#">113253</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	57kDa KDa

**PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - Additional Information**

**Gene ID** 5081

**Other Names**

Paired box protein Pax-7, HuP1, PAX7, HUP1

**Storage**

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

**Precautions**

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

**PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - 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**

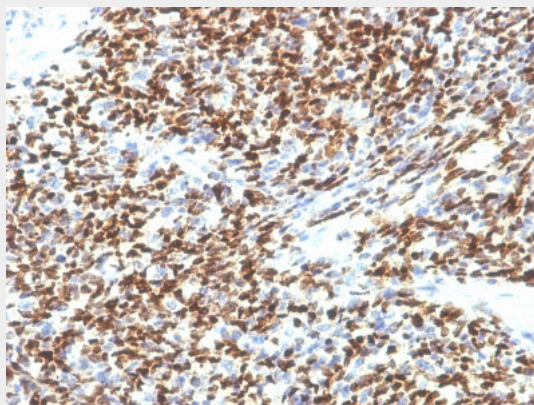
Nucleus {ECO:0000250|UniProtKB:P47239}.

**PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - 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](#)

#### **PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - Images**



Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with PAX7 Monoclonal Antibody (SPM613).

#### **PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - 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).