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Tel: 858.875.1900 Fax: 858.875.1999

PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM613]
Catalog # AH12043

Specification

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

Application	**IHC**
Primary Accession	P23759
Other Accession	5081, 113253
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

Application Note
IHC~~1:100~500

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}.

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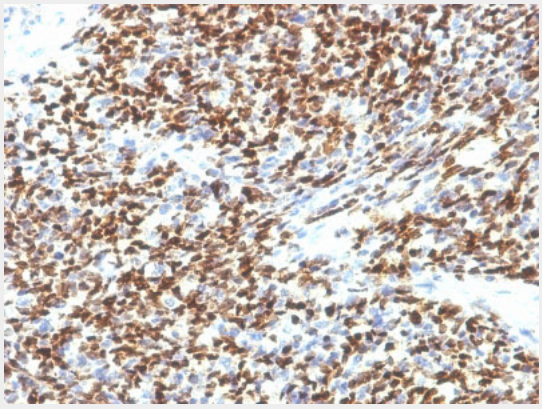
PAX7 (Rhabdomyosarcoma Marker) Antibody - With BSA and Azide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).