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

Specification

Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody - Product Information

Application	**WB, IF, FC**
Primary Accession	P23759
Other Accession	113253
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

Application Note
WB~~1:1000<br \>IF~~1:50~200<br \>FC~~1:10~50

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

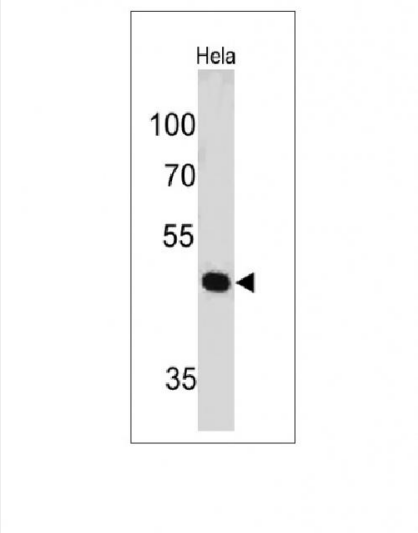
Cellular Location
Nucleus {ECO:0000250|UniProtKB:P47239}.

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 Cytomety
- 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).