

Anti-PAX7 (Rhabdomyosarcoma Marker) Antibody

Mouse Monoclonal Antibody

Catalog # AH13421

Product Information

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|--------------------------|-------------------------|
| Application | WB, IF, FC |
| Primary Accession | P23759 |
| Other Accession | 113253 |
| Reactivity | Human, Mouse, Zebrafish |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | Mouse / IgG1, kappa |
| Clone Names | PAX7/497 |
| Calculated MW | 55119 |

Additional Information

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| 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 | Immunofluorescence (0.5-1ug/ml); ,Flow Cytometry (0.5-1ug/million cells); ,Western Blotting (0.5-1ug/ml),Optimal dilution for a specific application should be determined. |
| 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. |

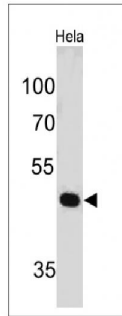
Protein Information

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|--------------------------|---|
| 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}. |

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.