

Datasheet for ABIN6940261
anti-PAX7 antibody (AA 301-505)



[Go to Product page](#)

1 Image

Overview

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| Quantity: | 100 µg |
| Target: | PAX7 |
| Binding Specificity: | AA 301-505 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PAX7 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

Product Details

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| Immunogen: | Recombinant fragment (aa301-505) of human PAX7 protein (exact sequence is proprietary) |
| Clone: | SPM613 |
| Isotype: | IgG1 kappa |
| Purification: | Purified by Protein A/G |

Target Details

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| Target: | PAX7 |
| Alternative Name: | PAX7 (PAX7 Products) |
| 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 |

Target Details

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).

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| Molecular Weight: | 57kDa |
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| Gene ID: | 5081 |
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| UniProt: | P23759 |
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Application Details

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| Application Notes: | Positive Control: Rhabdomyosarcoma (RMS) or Testicular Carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris Buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. |
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| Restrictions: | For Research Use only |
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Handling

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| Concentration: | 200 µg/mL |
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| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
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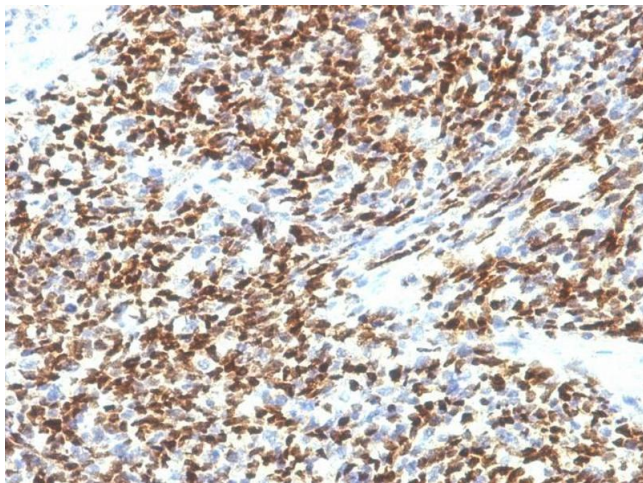
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C,-80 °C |
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| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
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| Expiry Date: | 24 months |
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Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with PAX7 Monoclonal Antibody (SPM613).