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## 36-1531: Monoclonal Antibody to PAX7 (Rhabdomyosarcoma Marker)(Clone: PAX7/1187)(Discontinued)

Clonality: Monoclonal Clone Name: PAX7/1187

Application: IHC
Reactivity: Human
Gene: PAX7
Gene ID: 5081
Uniprot ID: P23759
Format: Purified
Alternative Name: PAX7,HUP1

**Isotype:** Mouse IgG1 Kappa

Immunogen Information: Recombinant fragment (aa300-600) of human PAX7 protein

## **Description**

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).

## **Product Info**

**Amount:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

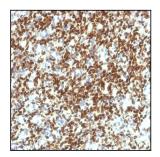
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Immunohistology (Formalin-fixed) (0.5-1 $\tilde{A}$  $\square$  $\hat{A}$  $\mu$ g/ml for 30 minutes at RT); (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris Buffer with 1mM 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.

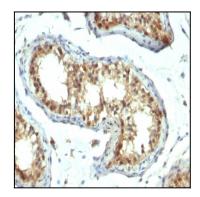


Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with PAX7 Monoclonal Antibody (PAX7/1187).



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Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with PAX7 Monoclonal Antibody (PAX7/1187).