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## 36-1530: Monoclonal Antibody to PAX7 (Rhabdomyosarcoma Marker)(Clone: PAX7/497)

Clone Name : Monoclonal
Clone Name : PAX7/497
Application : IF,FACS,WB

**Reactivity:** Human, Mouse, Rat

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

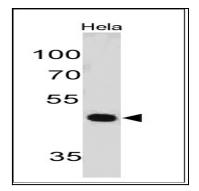
toxic.

**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**

Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml);



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