

## Anti-PAX7 Antibody [PAX7/497] (A249569)

### Specifications:

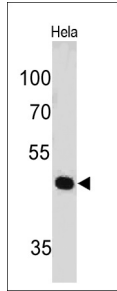
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|------------------------|--|
| Name:                  | Anti-PAX7 Antibody [PAX7/497]  |
| Description:           | Mouse monoclonal [PAX7/497] antibody to PAX7.  |
| Specificity:           | The Pax gene family of nuclear transcription factors is 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). |
| Applications:          | IF, Flow Cytometry, WB   |
| Recommended Dilutions: | IF: 1-2 µg/ml, Flow Cytometry: 1-2 µg/million cells, WB: 1-2 µg/ml   |
| Reactivity:            | Human, Mouse, Rat, Chicken, Zebrafish  |
| Immunogen:             | Recombinant fragment, around amino acids 301-505, of human PAX7 protein. The exact sequence is proprietary.  |
| Host:                  | Mouse  |
| Clonality:             | Monoclonal   |
| Clone ID:              | PAX7/497   |
| Isotype:               | IgG1   |
| Light Chains:          | kappa  |
| Conjugate:             | Unconjugated   |
| Purification:          | Protein A/G chromatography.  |
| Concentration:         | 200 µg/ml  |
| Product Form:          | Liquid   |
| Formulation:           | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.  |
| Storage:               | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| General Notes:         | This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-PAX7 Antibody [PAX7/497] - BSA and Azide free (A252749).   |

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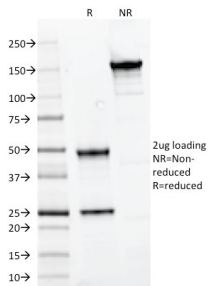
## Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Images:



Western blot analysis of HeLa cell lysate using Anti-PAX7 Antibody [PAX7/497].



SDS-PAGE analysis of Anti-PAX7 Antibody [PAX7/497] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.