

Anti-PAX7 (Rhabdomyosarcoma Marker) Monoclonal Antibody

Catalog Number: M00845

About PAX7

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).

Overview

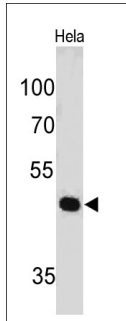
Product Name	Anti-PAX7 (Rhabdomyosarcoma Marker) Monoclonal Antibody
Reactive Species	Chicken, Human, Mouse, Rat, Zebrafish
Description	Boster Bio Anti-PAX7 (Rhabdomyosarcoma Marker) Monoclonal Antibody (Catalog # M00845). Tested in IF, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat, Chicken, Zebrafish.
Conjugate	Biotin
Application	Flow Cytometry, IF, WB
Clonality	Monoclonal Clone: PAX7/497
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P23759

Technical Details

Immunogen	Recombinant fragment (aa301-505) of human PAX7 protein (exact sequence is proprietary)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunofluorescence (1-2ug/ml) Flow Cytometry (1-2ug/million cells) Western Blot (1-2ug/ml) Optimal dilution for a specific application should be determined.

Anti-PAX7 (Rhabdomyosarcoma Marker) Monoclonal Antibody (M00845) Images



Western Blot of HeLa cell lysate using Anti-PAX7 Mouse Monoclonal Antibody (PAX7/497).

1 Publications Citing This Product

1. PubMed ID: -, Li Li,Xiao Zhang,Hailong Yang et al.miR-193b-3p Promotes Proliferation of Goat Myoblast Through Directly Targeting IGF2BP1 and Activating Its Transcription,23 October 2020,PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-95708/v1>]

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