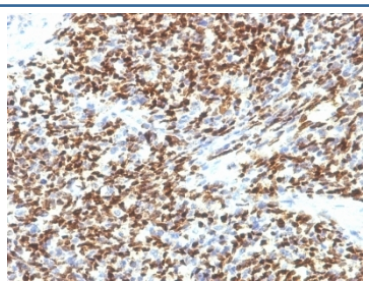
PAX-7 Antibody [clone SPM613] (V2774)

Catalog No.	Formulation	Size
V2774-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2774-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2774SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2774IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM613
Purity	Protein G affinity chromatography
UniProt	P23759
Localization	Nuclear
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This PAX-7 antibody is available for research use only.



IHC testing of FFPE human Rhabdomyosarcoma with PAX-7 antibody (clone SPM613).

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).

For additional information on PAX7 and its use in studying muscle stem and progenitor cell populations, see our PAX7 Antibody page.

Application Notes

Optimal dilution of the PAX-7 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human PAX7 protein corresponding to amino acids 301-505 was used as the immunogen for this PAX-7 antibody.

Storage

Store the PAX-7 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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