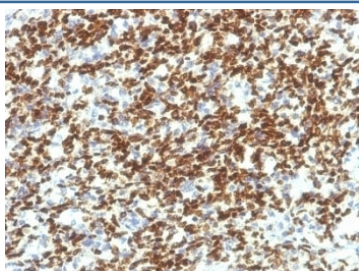


## PAX7 Antibody [clone PAX7/1187] (V2773)

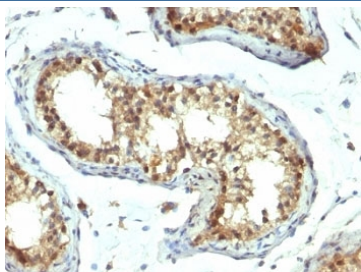
Catalog No.	Formulation	Size
V2773-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2773-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2773SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2773IHC-7ML	Prediluted 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](#)

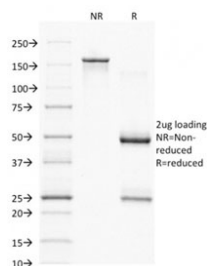
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PAX7/1187
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P23759
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This PAX7 antibody is available for research use only.



IHC testing of formalin-fixed, paraffin-embedded human Rhabdomyosarcoma with PAX7 antibody (clone PAX7/1187). Required HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min.



IHC: Formalin-fixed, paraffin-embedded human testicular carcinoma stained with PAX7 antibody (clone PAX7/1187). Required HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min.



SDS-PAGE analysis of purified, BSA-free PAX7 antibody (clone PAX7/1187) as confirmation of integrity and purity.

## 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).

## Application Notes

Optimal dilution of the PAX7 antibody should be determined by the researcher.

1. 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 antibody.

## Storage

Store the PAX7 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).