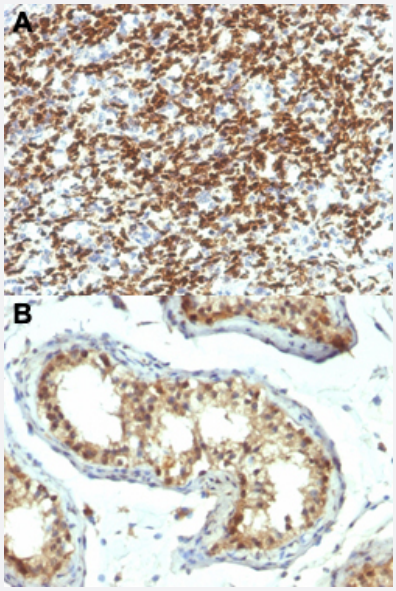
PAX7 monoclonal antibody, clone PAX7/1187

Catalog # MAB14392 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rhabdomyosarcoma (A) and human testicular carcinoma (B) with PAX7 monoclonal antibody, clone PAX7/1187 (Cat # MAB14392).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PAX7.
Immunogen	Recombinant protein corresponding to amino acids 301-505 of human PAX7. (exact sequence is proprietary)
Host	Mouse
Theoretical MW (kDa)	57
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

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Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL for 30 min at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PAX7

Entrez GeneID	5081
Protein Accession#	P23759
Gene Name	PAX7
Gene Alias	HUP1, PAX7B
Gene Description	paired box 7
Omim ID	167410 268220
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 7 gene is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000002534|PAX7 transcriptional factor|paired box gene 7|paired box homeotic gene 7|paired domain gene 7

Disease

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- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Narcolepsy

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