

**PAX7 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10488B**

**Specification**

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**PAX7 Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P23759</a>
Other Accession	<a href="#">P47239</a> , <a href="#">NP_001128726.1</a> , <a href="#">NP_039236.1</a> , <a href="#">NP_002575.1</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>410-437</b>

**PAX7 Antibody (C-term) - Additional Information**

**Gene ID** 5081

**Other Names**

Paired box protein Pax-7, HuP1, PAX7, HUP1

**Target/Specificity**

This PAX7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-437 amino acids from the C-terminal region of human PAX7.

**Dilution**

WB~~1:2000  
IHC-P~~1:50~100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PAX7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PAX7 Antibody (C-term) - Protein Information**

**Name** PAX7

**Synonyms** HUP1

**Function** Transcription factor that is involved in the regulation of muscle stem cells proliferation, playing a role in myogenesis and muscle regeneration.

**Cellular Location**

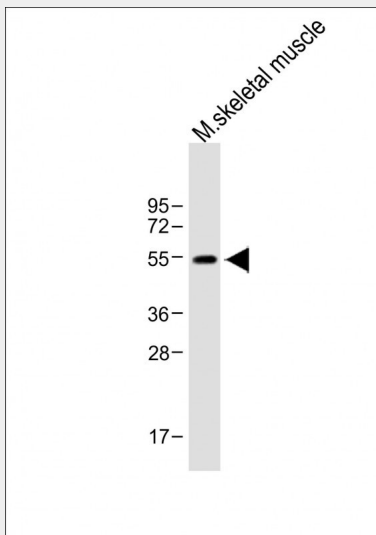
Nucleus {ECO:0000250|UniProtKB:P47239}.

**PAX7 Antibody (C-term) - Protocols**

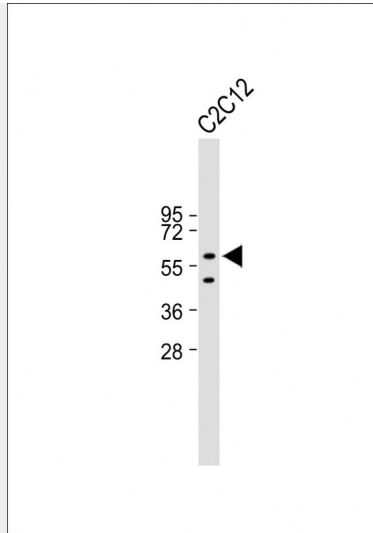
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

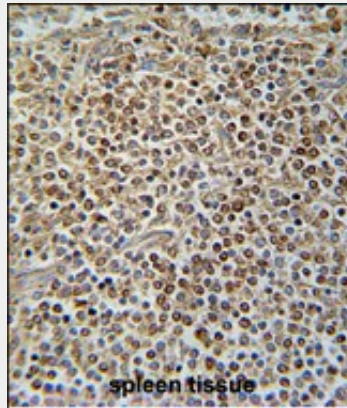
**PAX7 Antibody (C-term) - Images**



Anti-PAX7 Antibody (C-term) at 1:1000 dilution + Mouse skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-PAX7 Antibody (C-term) at 1:2000 dilution + C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



PAX7 Antibody (C-term) (Cat. #AP10488b) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PAX7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### **PAX7 Antibody (C-term) - Background**

PAX7 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.

### **PAX7 Antibody (C-term) - References**

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)  
Williamson, D., et al. J. Clin. Oncol. 28(13):2151-2158(2010)  
Xynos, A., et al. Stem Cells 28(5):965-973(2010)

Edwards, T.L., et al. Ann. Hum. Genet. 74(2):97-109(2010)

Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)

**PAX7 Antibody (C-term) - Citations**

- [Passive repetitive stretching is associated with greater muscle mass and cross-sectional area in the sarcopenic muscle.](#)