

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

Specification

PAX7 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P23759
Other Accession	P47239 , NP_001128726.1 , NP_039236.1 , NP_002575.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	410-437

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

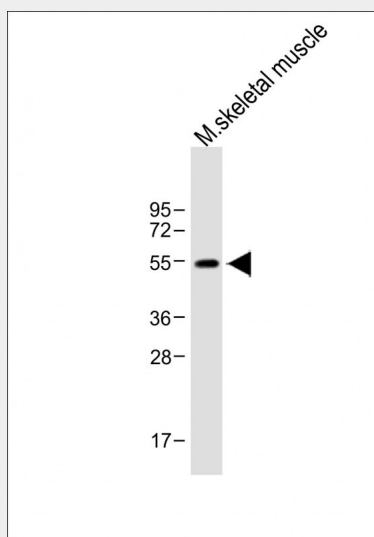
Nucleus {ECO:0000250|UniProtKB:P47239}.

PAX7 Antibody (C-term) - Protocols

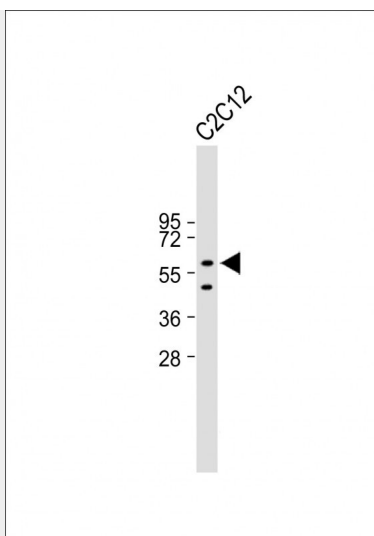
Provided below are standard protocols that you may find useful for product applications.

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

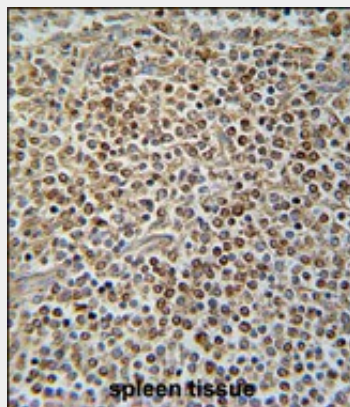
PAX7 Antibody (C-term) - Images



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)