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PAX7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10488B

Product Information

Application	IHC-P, WB, E
Primary Accession	P23759
Other Accession	P47239, NP_001128726.1, NP_039236.1, NP_002575.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28560
Calculated MW	55119
Antigen Region	410-437

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	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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.

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}.

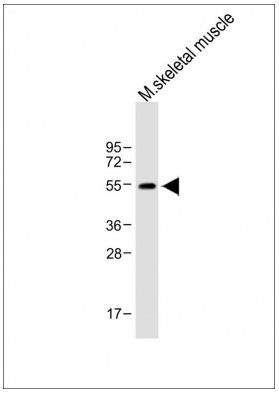
Background

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.

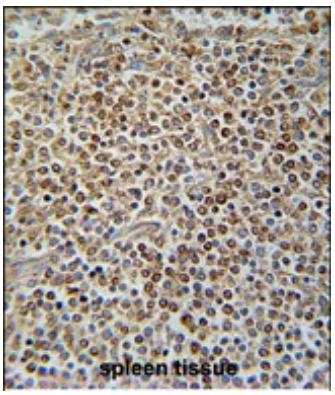
References

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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)

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.



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.

Citations

- Passive repetitive stretching is associated with greater muscle mass and cross-sectional area in the sarcopenic muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.